



REPORT OF THE
Hydro-Electric Power
Commission
OF ONTARIO
1943

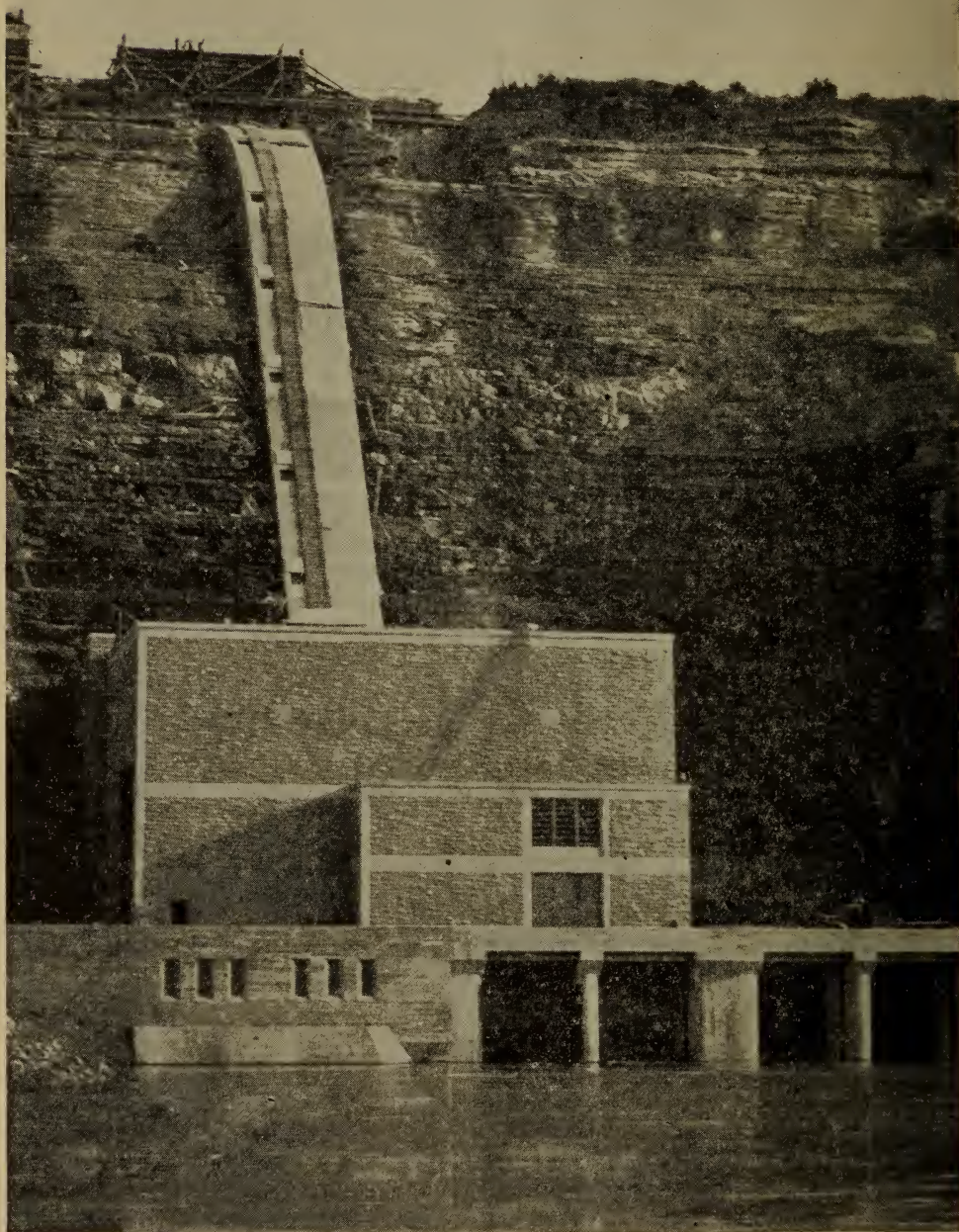
WILLS MACLACHLAN

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A FORT OF FREEDOM

DeCew Falls generating station, constructed to supply power for war industry in southern Ontario

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Ontario Hydro - G. Estee
Power Commission
(THIRTY-SIXTH) ANNUAL REPORT

OF

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1943



ONTARIO

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1944

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

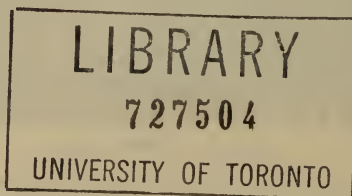
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T. H. HOGG, B.A.Sc., C.E., D.ENG. *Chairman and Chief Engineer*
HON. WM. L. HOUCK, B.Sc., M.L.A. (to Aug. 24, 1943) *Commissioner*
J. ALBERT SMITH, M.L.A. (to Aug. 24, 1943) *Commissioner*
OSBORNE MITCHELL *Secretary*

THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

From August 24, 1943.

T. H. HOGG, B.A.Sc., C.E., D.ENG. *Chairman and Chief Engineer*
HON. GEORGE H. CHALLIES, PHM.B., M.L.A. *Commissioner*
OSBORNE MITCHELL *Secretary*



CHAIRMAN'S LETTER OF TRANSMITTAL

To His Honour

THE HONOURABLE ALBERT MATTHEWS, LL.D.,

Lieutenant-Governor of Ontario

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-Sixth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1943.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1943 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the several co-operative systems for the supply of electrical service throughout the Province.

War Activities

After more than three years' spectacular growth in load, resulting from the change-over to war production and the construction of great new factories for the manufacture of munitions, and of equipment required for mechanized warfare, Ontario last winter attained close to its peak output of industrial production for war. The accomplishments of North American production of armaments, planes and ships, depends upon the adequacy of electrical service which has had to meet the pyramided demands of all these loads. The outcome of this struggle is being determined largely by the ability to produce mechanized equipment. Canada's ability to harness for this purpose large hydro-electric resources has proved an important factor.

The outstanding fact regarding Hydro service during 1943 is that notwithstanding increased difficulties, due to shortages both in labour and materials, the power demands for all war industries in Ontario were met and, except over a few peak-load periods, essential civilian power requirements suffered no shortage.

The mandatory and voluntary savings in the use of power were necessarily continued and were an important factor in enabling the Commission to handle effectively the increasing war demands. We look forward to the time when these restrictions can be lifted, but that time has not yet come. Production and still more production must characterize the efforts of the home front till final victory is gained.

Operating Conditions

The Commission now owns and operates forty-seven hydro-electric plants with an aggregate normal plant capacity of 1,630,000 horsepower. In addition it purchases 910,000 horsepower, thus putting to use in Ontario a total of 2,540,000 horsepower.

On the whole, climatic conditions affecting run-off were favourable. Precipitation and stream flow were greater than normal and speaking generally, adequate supplies of water for the forty-seven hydro-electric generating plants of the Commission were available.

The construction of the remedial weir on the Niagara river above the falls and higher levels of lake Erie had an appreciable effect in increasing the output of the Queenston generating station. Completion of the Ogoki diversion project in north-western Ontario ensured an adequate supply of water for the operation of the Nipigon river plants of the Thunder Bay system.

Generating stations were not seriously affected by ice during the winter of 1942-43. Only on two brief occasions was there appreciable loss of capacity due to ice runs.

The winter of 1942-43 was characterized by many severe snow and sleet storms. The most devastating of these occurred in the St. Lawrence district of eastern Ontario on December 29 to 31, 1942. It was the worst storm in this area in fifty years, crippling power and communication lines, paralyzing transportation of all kinds, and causing widespread property damage. Its severity may be judged by the fact that it was not until January 25 that Hydro service throughout the district was completely restored.

The exceptional demands made upon the 36-year-old Toronto Power plant during the war years, in part at least, were the cause of mechanical failures in several of the generating units during 1943. The long vertical steel shafts connecting the generator with the turbine failed on five units. These, however, are being repaired and most of the 70,000 horsepower temporarily out of commission was available to assist with the winter peak loads of 1943-44.

Load Conditions

During 1943 there was a much smaller growth in load. This is not surprising in view of the great growth previously recorded since the war started. Nevertheless, the demands for primary power were consistently higher throughout the year and averaged 1.5 per cent greater than in the previous year. All of this increase occurred in the Niagara, Georgian Bay and Eastern

Ontario systems of southern Ontario. In this area demands for primary power exceeded the average demand of the previous year by 2.3 per cent.

Due chiefly to curtailment of gold mining activities in northern Ontario, the output for primary power in the areas served by the Northern Ontario Properties was 3.6 per cent less than in the previous year.

The total energy output handled by the Commission from all sources in 1943 exceeded 11,730,000,000 kilowatt-hours being slightly above the record output of 11,674,000,000 kilowatt-hours of the previous year, and 55 per cent greater than the energy output of the pre-war year of 1938.

New Construction for Power Supplies

Three outstanding projects were completed during the year; the new plant at DeCew Falls, the Ogoki diversion project, and the transmission line to Steep Rock Lake.

On October 15, 1943 the new six million dollar plant at DeCew Falls with its single unit rated at 65,000 horsepower but developing under favourable conditions 71,000 horsepower, was officially opened by the Prime Minister, Colonel George A. Drew.

The new plant at DeCew Falls with its single unit develops more power than do the nine units in the nearby original plant constructed in 1898, and the power house is only one-third the size. Power is generated at 25 cycles to augment the supplies of the Niagara system. Owing to the fact that the total fall or head utilized at DeCew is only a little greater than that developed at the Abitibi Canyon plant in northern Ontario, it was feasible to transfer a spare turbine and generator from Abitibi to DeCew Falls. The use of this unit enabled the Commission to complete the development with the minimum interference to other wartime production.

The water required for the operation of this plant is provided by the increased diversion at Niagara resulting from the agreement with the United States respecting use of the additional inflow to lake Superior provided by the Ogoki and Long Lake diversion projects which divert water from the Albany river drainage basin one thousand miles away.

The Ogoki diversion project was completed and officially opened on July 20, 1943. Since that date the diverted flow has been gradually increased from an initial flow of 950 cubic feet per second to its designed average flow of 4,000 cubic feet per second. The Ogoki diversion will make possible the addition of 90,000 horsepower at developed and undeveloped sites on the Nipigon river, and the combined flows of the Ogoki river and Long Lake diversions will make available a total of 360,000 additional horsepower at various sites along the Great Lakes-St. Lawrence River waterway.

Great Iron Deposits Being Developed

The increased flow of the Nipigon river resulting from the Ogoki diversion enables the Commission to provide more effectively the power required to develop the iron deposits at Steep Rock lake. It also justifies the installation of a fourth unit of 20,000 horsepower at Alexander generating station, for which orders for equipment have been placed.

DISTRIBUTION OF PRIMARY POWER TO SYSTEMS

20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1942	1943
	October	
*Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,634,316	1,702,145
*Georgian Bay system.....	45,276	48,189
*Eastern Ontario system.....	176,895	203,944
Thunder Bay system.....	101,046	104,129
Total—Co-operative Systems.....	1,957,533	2,058,407
Northern Ontario Properties:		
Abitibi district.....	171,180	149,732
Sudbury district.....	20,909	19,670
Nipissing district.....	5,416	6,126
Manitoulin district.....	464	491
Patricia district.....	11,059	8,579
Total—Northern Ontario Properties.....	209,028	184,598
Total.....	2,166,561	2,243,005
	December	
*Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,727,212	1,794,236
*Georgian Bay system.....	47,288	49,732
*Eastern Ontario system.....	183,039	206,845
Thunder Bay system.....	108,552	107,775
Total—Co-operative Systems.....	2,066,091	2,158,588
Northern Ontario Properties:		
Abitibi district.....	170,509	151,743
Sudbury district.....	21,497	21,928
Nipissing district.....	5,771	6,153
Manitoulin district.....	497	579
Patricia district.....	10,818	9,249
Rainy River district.....	....	21,180
Total—Northern Ontario Properties.....	209,092	210,832
Total.....	2,275,183	2,369,420

*Amalgamated into Southern Ontario system, see page xi.

The responsibility for the fact that the Commission operates so widely in northern Ontario rests with the Province and not with the co-operating municipalities. It was, therefore, at the request of the Provincial Government that the Hydro Commission co-operated to ensure that ample supplies of power for these extensive operations would be available.

The diversion of the Seine river, which flowed into Steep Rock lake—a necessary preliminary to the pumping out of the lake—has put out of commission a power plant of 10,000 horsepower known as the Moose Lake plant

DISTRIBUTION OF PRIMARY AND SECONDARY POWER TO SYSTEMS

20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PEAKS

System	1942	1943
	October	
*Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,676,273	1,738,606
*Georgian Bay system.....	45,276	48,189
*Eastern Ontario system.....	176,895	203,944
Thunder Bay system.....	106,716	124,638
Total—Co-operative Systems.....	2,005,160	2,115,377
Northern Ontario Properties:		
Abitibi district.....	222,788	180,563
Sudbury district.....	20,909	19,670
Nipissing district.....	5,416	6,126
Manitoulin district.....	464	491
Patricia district.....	11,059	8,579
Total—Northern Ontario Properties.....	260,636	215,429
Total.....	2,265,796	2,330,806
System	December	
*Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,762,869	1,875,737
*Georgian Bay system.....	47,288	51,173
*Eastern Ontario system.....	183,039	206,845
Thunder Bay system.....	120,643	119,437
Total—Co-operative Systems.....	2,113,839	2,253,192
Northern Ontario Properties:		
Abitibi district.....	231,501	151,743
Sudbury district.....	21,497	21,928
Nipissing district.....	5,771	6,153
Manitoulin district.....	497	579
Patricia district.....	10,818	11,515
Rainy River district.....	....	21,180
Total—Northern Ontario Properties.....	270,084	213,098
Total.....	2,383,923	2,466,290

*Amalgamated into Southern Ontario system, see page xi.

of the Ontario-Minnesota Pulp and Paper Co. It is to replace this power and to supply about 7,000 horsepower for the pumping and mining operations of the Steep Rock Iron Mines Ltd., that The Hydro-Electric Power Commission has constructed the new transmission line. The transmission line, completed in November 1943, extends 120 miles from a transformer station at Port Arthur to the Moose Lake plant of the Ontario-Minnesota Pulp and Paper Co. The Steep Rock Iron Mines is constructing the additional few miles of line required to distribute the power from this plant to the various points of use.

In constructing this line, power conductors were used from certain sections of the Niagara transmission networks that had decreased in importance as a result of the development of the Commission's eastern sources of power supply. The total cost of the transmission line, including the cost of switching and metering equipment and the adaptation of the two generators in the Moose lake plant for use as condensers, and of the step-up transformers for stepping down power for the Steep Rock Iron Mines, will be about \$1,500,000.

If the iron ore deposits in extent and quality come up to the standard anticipated as a result of the scientific prospecting and drilling that has been done, the importance of these developments to Canadian economic life will unquestionably be far-reaching and of great importance.

The gross capital expenditures during the fiscal year were about eight and one-half million dollars.

Heavy War Loads Increase Maintenance Problems

The heavier loads being carried by the Commission's generating plants result in wear and tear that involves additional maintenance work. Due to shortage of skilled labour and supplies, only the more urgent work required to ensure maximum service is being carried out in these war years.

For the Georgian Bay system the reconstruction of No. 2 pipe line at Eugenia Falls development was completed. This is a wood-stave pipe, except the uppermost 540 feet which is of reinforced concrete. At the South Falls generating plant on the South Muskoka river the foundations of the wood-stave pipe were stabilized with heavy rock fill.

For the Eastern Ontario system the wood-stave pipe line at High Falls, Mississippi river was dismantled and is being replaced by a new wood-stave pipe. At Bark lake dam, Madawaska river, rip-rap and gravel were placed on the dam to raise it to uniform grade and designed elevation.

These were the chief maintenance items relating to hydraulic structures dealt with during the year, but many smaller matters received attention in the constant effort of the Commission to ensure continuing efficiency so essential to maximum production in war time.

Transmission and Distribution Problems

During the year additional equipment and extensions to lines were required on all systems. Among industries of recent additional growth may be cited the steel industry which, during the past year, installed additional electric furnaces for the manufacture of high grade alloy steel; the aircraft plants where some expansion took place, and the ship-building industry which manufactures the smaller vessels of war.

The total mileage of transmission circuits constructed in the year comprised 123 miles of 110 kv., 7.75 miles of 12 to 60 kv. and 40 miles of rural circuits.

Rural Electrical Service

During the latter part of 1941 and through 1942, following five years of intense activity when the mileage of rural primary lines was nearly doubled,

construction of extensions to rural lines virtually came to a standstill except where required to serve certain war industries established in rural areas. However, on March 30, 1943, the Dominion Metals Controller issued an order releasing to some extent the rigid controls previously enforced and permitting service to farmers where the farmer could show definitely that by the use of electric service increased food production could be obtained. From May to October, 1943 more than 2,100 farm applications were approved by the Commission and a large proportion of these were actually being served at the end of the year.

At the end of 1943 the Commission was serving 136,000 rural customers including about 65,000 farms, over 20,100 miles of rural transmission lines.

Special Report to Ontario Legislature

At the 1943 session of the Legislative Assembly of Ontario a motion was passed requesting the Commission to examine the causes of differences in the cost of power supplied municipalities and rural power districts in Ontario; and to consider, in conjunction with partner municipalities concerned, ways and means of eliminating or reducing such differences. The Commission was also requested to consider the matter of service charges in connection with rural billing. In Appendix II of this Report the Commission's report to the Legislature respecting these matters is printed.

Amalgamation of Southern Ontario Systems

During the latter part of 1943 the Commission was intensively studying the amalgamation of the Niagara, Georgian Bay and Eastern Ontario co-operative systems. Physical inter-connection and the greater exchange of power resulting from co-ordinated operation in the interests of maximum production for war, had made it clear that the time was opportune for the full amalgamation of the southern Ontario systems. Similar amalgamations had been made previously in forming the Georgian Bay and Eastern Ontario systems. Since, however, the three enlarged systems had for many years functioned in their existing grouping and had become well established as separate entities, the problems of amalgamation were of greater significance and importance.

For this reason and because there was a strong active municipal organization representative of all co-operative systems, the Commission was able effectively to consult with and secure approval by the municipalities concerned. Actually these moves were not complete until February 1944, but as they were made retroactive to include the annual cost of power adjustment for the year 1943, and have been given effect to in the financial statements of the Commission herein presented (Section IX), it is necessary to refer to the matter in this Report. Except for Section IX the customary references to the three systems are presented under their respective headings, but in next year's Report the three systems will be amalgamated as the Southern Ontario system.

Uniform Service in Rural Ontario

Owing to its importance and to the fact that all the preliminary work in connection with it was done in 1943, reference is here made to the comprehensive revision made by the Commission, after consultation and with the consent of the Government, in connection with its rural electrical service.

The revised rural service was put into effect on January 1, 1944. It amalgamates into three rural power districts—one each for southern Ontario, for the Thunder Bay area, and for northern Ontario—all the areas formerly served by 120 rural power districts. It furthermore embodies for all areas served by these three rural power districts, a uniform rate structure with a common rate applicable to each class of rural service, and simplifies and revises the classification of consumers.

As this new set-up does not affect the 1943 records of service or rates to consumers, details are not given in this Report, but a full record of the first year's operation and the new rates will be given in next year's Report.

Other Activities

During the year promotion of the use of electricity was subordinated to war service. These activities included the campaign for conservation in the use of power for less essential purposes and for more efficient use by war industries. The workshops of the Commission continue to participate in the "Bits and Pieces" programme of the Dominion Government. Engineering assistance was given to a large number of industrial consumers and plant surveys, undertaken at the request of such industries, resulted in more efficient use of electrical service through the installation of power-factor corrective equipment, improved lighting, and in other ways. Many effective advertisements were issued in connection with the power conservation campaign.

The research laboratories of the Commission continue to give service to the Dominion Government in connection with investigation of materials for war purposes and in standardizing and testing such materials.

CAPITAL INVESTMENT

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is \$354,706,924.38 exclusive of government grants in respect of construction of rural power districts' lines (\$19,580,575.94); and the investment of the municipalities in distributing systems and other assets is \$132,316,073.87, making in power undertakings a total investment of \$487,022,998.25.

The following statement shows the capital invested in the respective systems, properties and municipal undertakings, etc.:

Southern Ontario system (including Hamilton street railway).....	\$287,174,007.53
Thunder Bay system.....	20,012,642.61
Office and service buildings.....	3,702,425.32
Construction plant and inventories.....	3,132,267.91
Total capital investments in co-operative systems.....	\$314,021,343.42
Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario.....	40,488,593.97
Northern Ontario Properties—Construction plant and inventories.....	196,986.99
Total Commission capital investments.....	\$354,706,924.38
Municipalities' distribution systems.....	102,272,852.40
Other assets of municipal Hydro utilities.....	30,043,221.47
Total.....	<u>\$487,022,998.25</u>

RESERVES OF COMMISSION AND MUNICIPAL ELECTRICAL UTILITIES

The total reserves of the Commission and the municipal electric utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to \$313,824,873.44, made up as follows:

Southern Ontario system (including Hamilton street railway)	\$161,267,904.23
Thunder Bay system.....	11,174,159.16
Office and service buildings and equipment	1,457,843.94
<hr/>	
Total reserves in respect of co-operative systems' properties.....	\$173,899,907.33
Northern Ontario Properties.....	16,247,669.18
Fire insurance reserve.....	111,862.93
Miscellaneous reserves.....	473,950.96
Employers' liability insurance, and staff pension reserves.....	9,869,649.79
<hr/>	
Total reserves of the Commission.....	\$200,603,040.19
Total reserves and surplus of municipal electric utilities.....	113,221,833.25
<hr/>	
Total Commission and municipal reserves.....	<u>\$313,824,873.44</u>

Financial Operating Results for 1943

The measures taken during 1942 to conserve power supplies for essential war purposes continued throughout 1943 to restrict revenues received from the supply of power to municipalities and rural power districts. However, the Southern Ontario system had about two per cent more revenue than in 1942 and the balance available for reserves is somewhat greater than that of last year. In the Thunder Bay system results were substantially unchanged from those in 1942. The Northern Ontario Properties notwithstanding continued decline in the revenue from the power supplied to gold-mines, were able to make adequate provision for reserves.

REVENUE OF COMMISSION

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Southern Ontario and Thunder Bay systems, aggregated \$49,517,905.28. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was \$4,834,377.88, making a total of \$54,352,283.16.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

SUMMARIZED OPERATING RESULTS

OF THE

SOUTHERN ONTARIO SYSTEM—EMBRACING NIAGARA, GEORGIAN BAY AND EASTERN ONTARIO DIVISIONS—AND THE THUNDER BAY SYSTEM

Revenue: amount received from or billed against municipalities and other customers.....	\$44,045,663.41	
Revenue from customers in rural power districts.....	5,472,241.87	
Total revenue, systems and rural.....		\$49,517,905.28
Operation, maintenance, administration, interest and other current expenses.....	\$32,391,032.14	
Provision for reserves—		
Renewals.....	\$2,656,424.34	
Contingencies and obsolescence.....	8,349,049.68	
Stabilization of rates.....	1,783,429.13	
Sinking fund.....	3,129,283.90	
		15,918,187.05
		48,309,219.19
Balance.....		\$ 1,208,686.09

SUMMARIZED OPERATING RESULTS

OF THE

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario
In trust for the Province of Ontario

Revenue: amount received from or billed against municipalities and other customers.....	\$ 4,834,377.88	
Operation, maintenance, administration, interest and other current expenses.....	\$ 2,574,004.89	
Provision for reserves—		
Renewals.....	\$ 340,120.25	
Contingencies and obsolescence.....	388,426.57	
Sinking fund.....	1,135,397.35	
		\$ 1,863,944.17
		4,437,949.06
Balance.....		\$ 396,428.82

COMPARATIVE FINANCIAL STATEMENTS RESPECTING THE SYSTEMS OF THE COMMISSION

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario divisions

	1942	1943
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased	10,983,241.10	11,048,157.25
Operation, maintenance and administration	7,688,199.50	7,778,790.53
Interest	12,344,149.68	12,215,618.86
Provision for renewals	2,394,711.00	2,491,264.88
Provision for contingencies and obsolescence	7,090,582.98	8,051,691.69
Provision for stabilization of rates	2,421,337.50	1,693,094.10
Sinking fund	2,838,837.26	2,931,011.50
TOTAL COST OF POWER	45,761,059.02	46,209,628.81
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	46,415,362.16	47,329,527.82
Net balance credited to municipalities under cost contracts	654,303.14	1,119,899.01

THUNDER BAY SYSTEM

	1942	1943
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Operation, maintenance and administration	370,312.93	375,030.54
Interest	978,720.90	973,434.96
Provision for renewals	165,138.65	165,159.46
Provision for contingencies and obsolescence	295,583.78	297,357.99
Provision for stabilization of rates	137,234.23	90,335.03
Sinking fund	198,283.15	198,272.40
TOTAL COST OF POWER	2,145,273.64	2,099,590.38
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	2,175,450.50	2,188,377.46
Net balance credited to municipalities under cost contracts	30,176.86	88,787.08

MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities.....	\$41,124,145.84
Cost of power.....	\$26,155,296.97
Operation, maintenance and administration.....	6,597,785.98
Interest.....	832,909.44
Sinking fund and principal payments on debentures.....	1,851,918.33
Depreciation and other reserves.....	3,773,937.58
Total.....	39,211,848.30
Surplus.....	\$ 1,912,297.54

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report.

SOUTHERN ONTARIO SYSTEM

The total plant assets of the Southern Ontario system utilities amount to \$98,084,326.12. The total assets, including an equity in the H-E.P.C. of \$58,707,266.74 aggregate \$185,172,105.08. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to \$108,083,610.43, an increase of \$5,864,254.74 during the year 1943. The percentage of net debt to total assets is 9.9 a reduction of 2.0 per cent.

The total revenue of the municipal electric utilities served by this system was \$39,994,581.73, a decrease of \$664,454.24 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$2,822,424.90 and providing \$1,845,887.55 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Southern Ontario system amounted to \$1,767,449.09, as compared with \$2,674,765.44 the previous year.

THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to \$2,738,741.40. The total assets, including an equity in the H-E.P.C. of \$3,324,406.39, aggregate \$7,252,026.16. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,567,363.17, an increase of \$239,579.37 during the year 1943. The percentage of net debt to total assets is 6.5, a reduction of 0.6 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,129,564.11, an increase of \$54,425.05 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$52,901.06 and providing \$6,030.78 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$144,848.45, as compared with a net surplus of \$111,248.49 for the previous year.

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Excellent co-operation by local commissions and by officials of Hydro utilities again characterized the year's activities. The Press also was co-operative in its continued interest and support. Finally I desire to acknowledge once again the faithful and efficient service given by the Commission's staff.

Respectfully submitted,

T. H. HOGG,

Chairman

TORONTO, ONTARIO, MARCH 31, 1944.

T. H. HOGG, ESQ., B.A.Sc., C.E., D.ENG.,

Chairman, The Hydro-Electric Power Commission of Ontario,

Toronto, Ontario.

Sir:

I have the honour to submit, herewith, the Thirty-Sixth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1943. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,

Secretary

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THIRTY-SIXTH ANNUAL REPORT OF The Hydro-Electric Power Commission of Ontario

FOREWORD and Guide to the Report

THE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in southern Ontario. In 1907 the Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906, and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62, and subsequent amending Acts—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty-three years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1943 the Commission was serving 903 municipalities in Ontario. This number included 26 cities, 105 towns, 305 villages and police villages and 467 townships. With the exception of 14 suburban sections of townships known as "voted areas", the townships and 121 of the smaller villages were, during 1943, served as parts of 120 rural power districts.

From January 1, 1944, all rural power districts in southern Ontario, in the Thunder Bay area, and in northern Ontario respectively have been combined to form three rural power districts, but throughout the whole of the Province served by these three rural power districts there is a uniform rate structure with a common rate applicable to each class of rural service.

Financial Features of Co-operative Systems

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities

and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserve for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

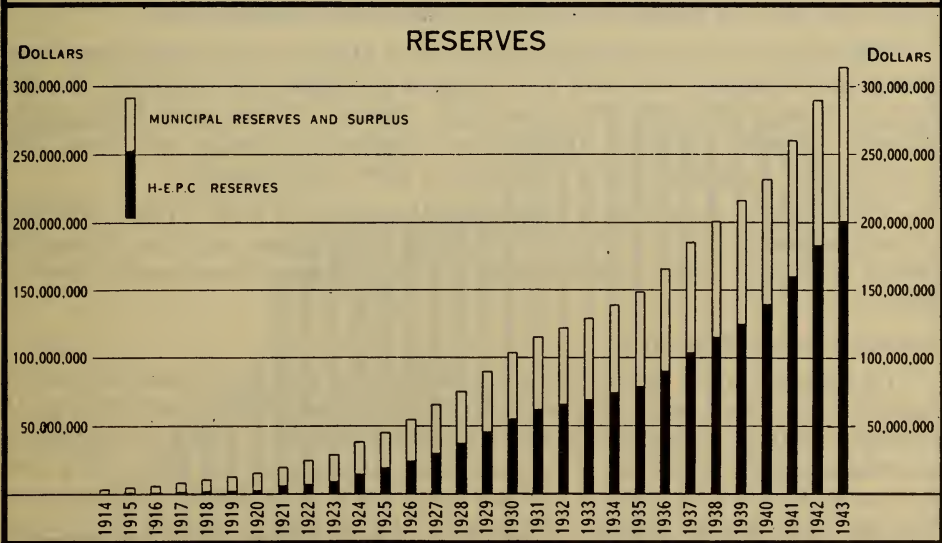
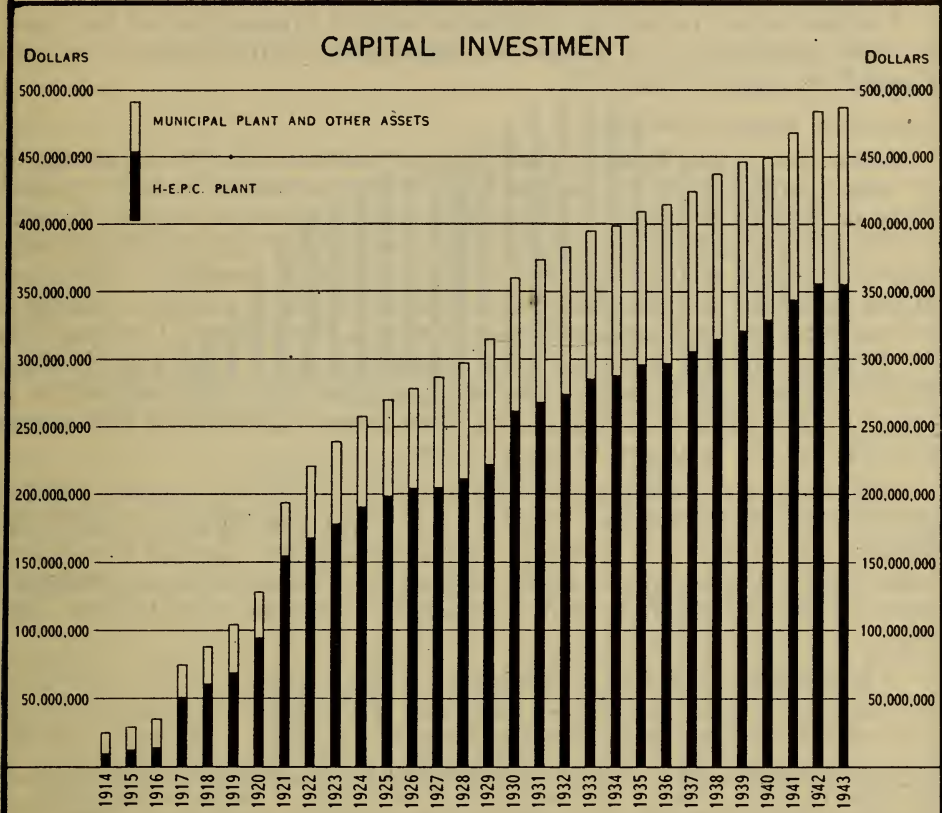
The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems", and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the two main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of cost distributions, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

The *Second* phase of operations is the *retail* distribution of electrical energy to consumers, within the limits of the areas served by the various municipal utilities and throughout the rural power districts. In the case of the consolidated rural power districts The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to the rural power districts are presented in Section IX of the Report, and a general report on their operation is given in Section IV.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

THIRTY YEARS RECORD — ALL SYSTEMS



For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

Further details respecting administration and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 93 and 171.

Co-operative Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. Early in 1944 the three systems serving southern Ontario, the Niagara, Georgian Bay and Eastern Ontario systems, were amalgamated to form the Southern Ontario system and financially the amalgamation was made retroactive to apply to the fiscal year 1942-3. The three former systems are now known as *divisions* of the Southern Ontario systems.

The Niagara division embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with 25-cycle power supplies from plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

The Georgian Bay division comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara division. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies, 60 cycles, are derived chiefly from local water power developments.

The Eastern Ontario division serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara divisions. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies, 60 cycles, are from local developments supplemented by purchases from other sources.

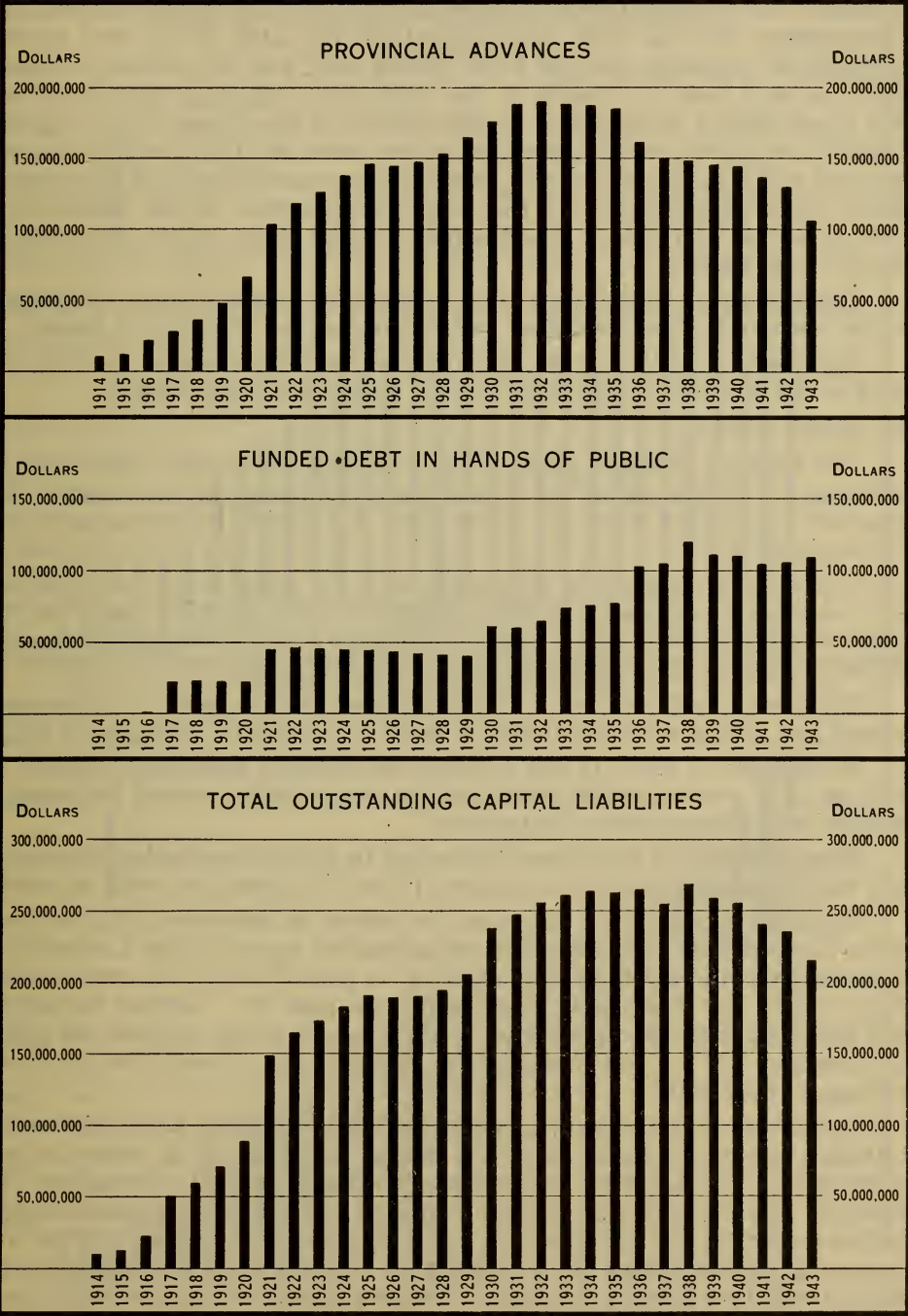
The Thunder Bay System comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply 60-cycle power.

Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The principal areas in the vast territory of northern Ontario at present receiving service are the *Abitibi District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

PROVINCIAL ADVANCES AND FUNDED DEBT



the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Sudbury District* comprising the city of Sudbury and the adjoining mining area known as Sudbury Basin; the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Patricia District* comprising the territory within transmission distance from the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river; and the Rainy River district which derives its power from the Thunder Bay system. Included in the Northern Ontario Properties are rural districts on Manitoulin island, and others adjacent to the communities served in the various districts of northern Ontario. Power supplies are 60 cycles except from Abitibi canyon development.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and Northern Ontario districts are listed in the first table of Section II of the Report on pages 8 and 9.

The Annual Report

The table of contents, pages xix and xx lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 7 to 32, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section IV on pages 39 to 53.

In Sections VI and VII will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

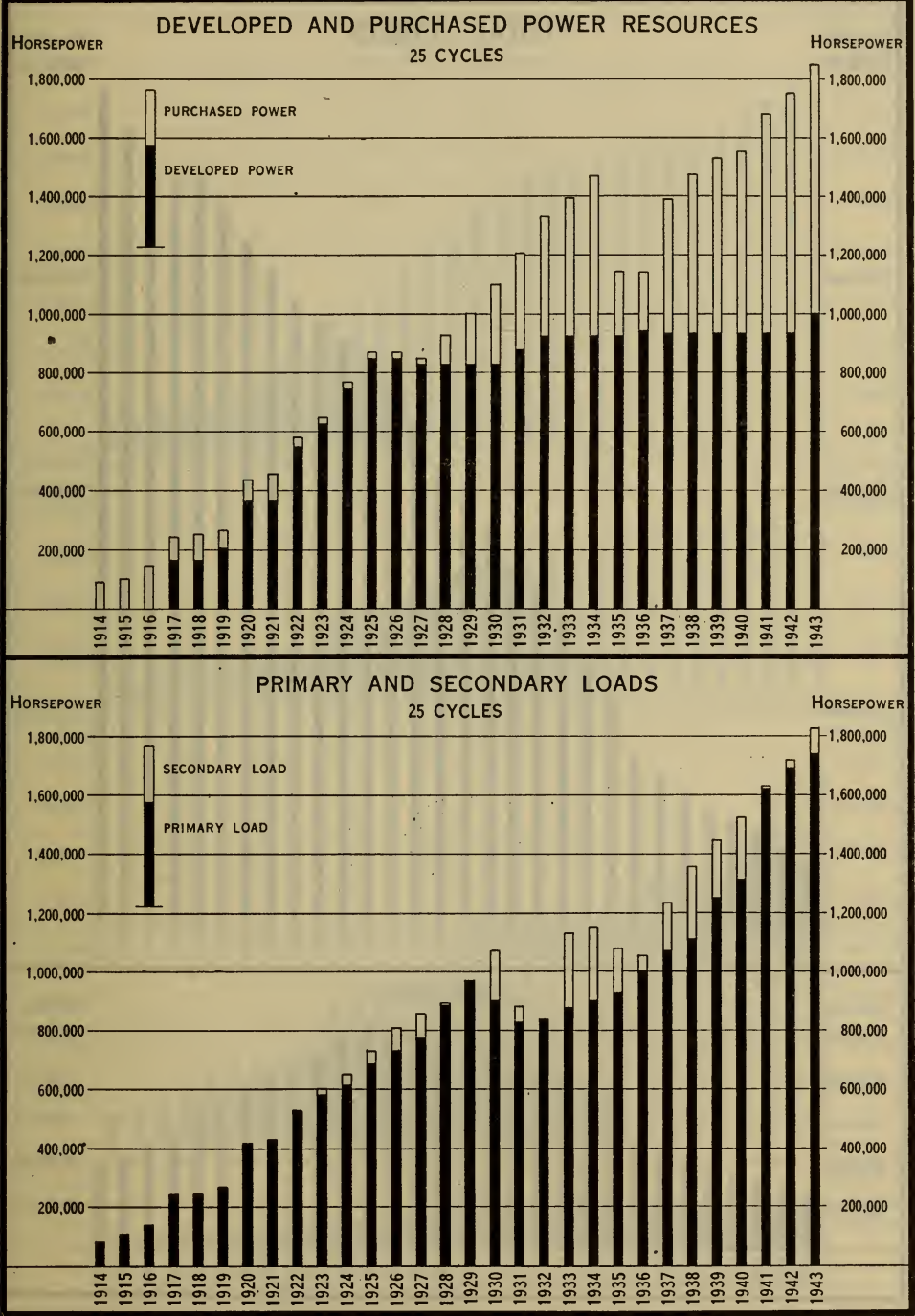
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in Statement "E" starting on page 316. For the rural power districts they are given in a table starting on page 48. Certain statistical data resulting from the application of the rates in urban utilities are given in Statement "D". This statement is prefaced by a special introduction starting on page 296.

In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

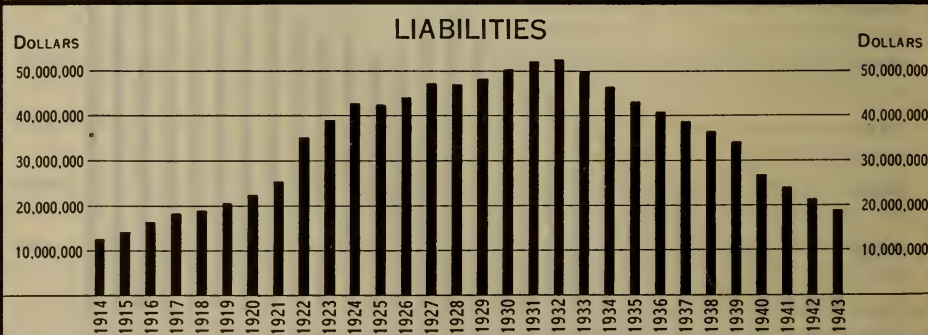
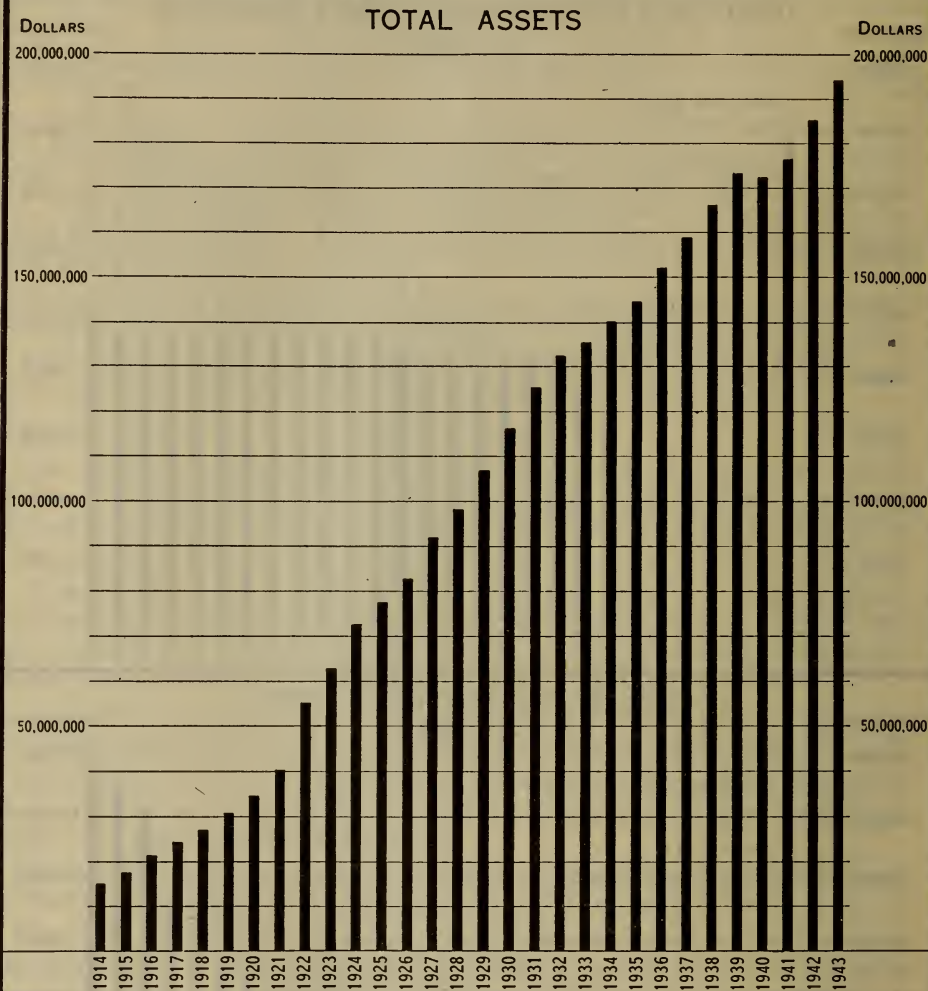
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

THIRTY YEARS RECORD — NIAGARA SYSTEM



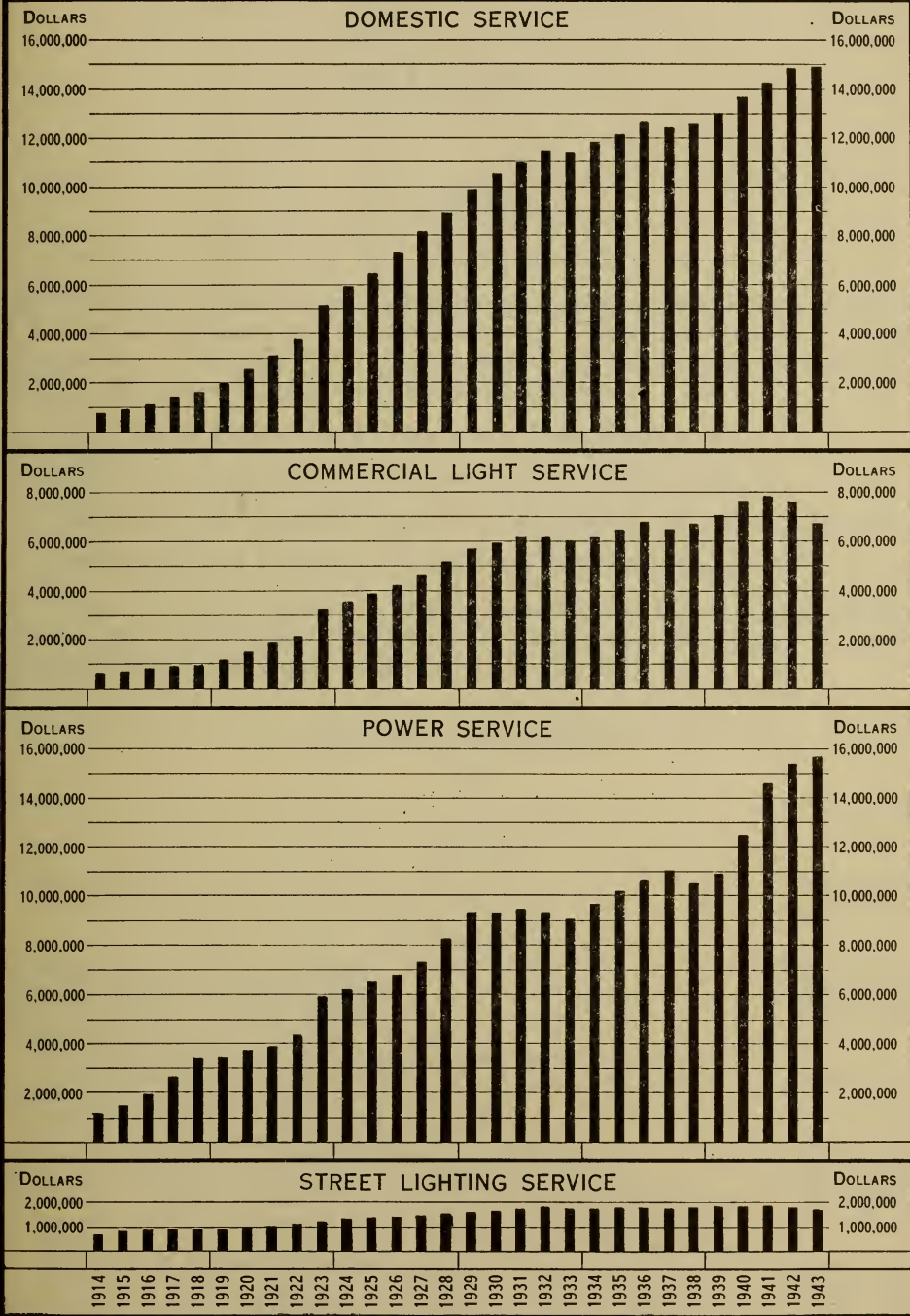
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
THIRTY YEARS RECORD



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES
THIRTY YEARS REVENUES



SECTION I

LEGAL

AT the 1943 Session of the Legislative Assembly of the Province of Ontario four Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced in full in Appendix I of this Report. The short titles of the Acts are as follows:

The Ottawa River Water Powers Act, 1943, Chapter 21.

The Power Commission Amendment Act, 1943, Chapter 22.

The Power Commission Insurance Amendment Act, 1943, Chapter 23.

The Steep Rock Iron Ore Development Act, 1943, Chapter 29.

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

CO-OPERATIVE SYSTEMS

TOWN

Aurora.....April 1, 1943

VILLAGE

Sturgeon Point.....Feb. 27, 1942

CORPORATIONS

Aluminum Company of Canada Limited.....Jan. 22, 1943

Aluminum Company of Canada Limited.....Mar. 6, 1943

Beaver Wood Fiber Company Limited.....Feb. 18, 1943

Canadian Bridge Company Limited,
Canadian Bridge Engineering Company Limited and
Canadian Steel Corporation Limited.....April 21, 1943

Canadian Bridge Company Limited,
Canadian Bridge Engineering Company Limited and
Canadian Steel Corporation Limited.....Oct. 27, 1943

His Majesty The King, represented by the Minister of Transport.....Feb. 3, 1942

His Majesty The King, represented by the Minister of Transport.....Feb. 25, 1942

His Majesty The King, represented by the Minister of Munitions and Supply.....Jan. 22, 1943

His Majesty The King, represented by the Minister of National Defence for Air...Jan. 27, 1943

His Majesty The King, represented by the Minister of Munitions and Supply,
acting through Polymer Corporation Limited.....May 25, 1943

His Majesty The King, represented by the Minister of National Defence.....June 30, 1943

His Majesty The King, represented by the Minister of National Defence for Air...Aug. 11, 1943

CORPORATION — *Continued*

His Majesty The King, represented by the Minister of National Defence.....	Sept. 9, 1943
Miller, Henry Chipman.....	Feb. 10, 1943
Ontario Rock Company, Limited.....	Oct. 20, 1942
Page-Hersey Tubes Limited.....	July 12, 1943
Steel Company of Canada Limited.....	Jan. 27, 1943
Stormont Chemicals Limited, acting as Agent for His Majesty The King in Right of Canada.....	Mar. 4, 1943
Wartime Metals Corporation.....	Mar. 4, 1943

NORTHERN ONTARIO PROPERTIES

Central Patricia Gold Mines Limited.....	Nov. 29, 1943
Madsen Red Lake Gold Mines Limited.....	Sept. 10, 1943
McKenzie Red Lake Gold Mines Limited.....	Oct. 29, 1943

RIGHT-OF-WAY AND PROPERTY

WITH the war effort of Ontario approaching its peak there was a falling off in the number of new property purchases and easement rights acquired, as compared with recent years. But resulting from the abnormal conditions previously obtaining a large number of rights remained for settlement in 1943.

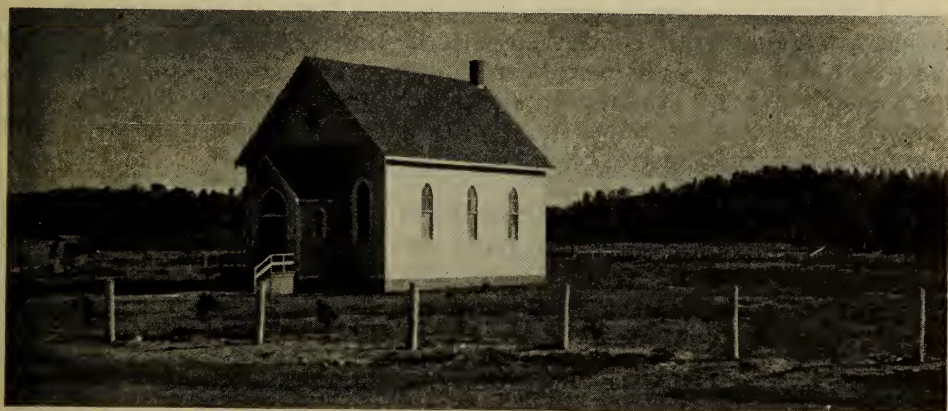
Niagara System

Acquisition of fee in rights-of-way and easement rights continued and in some cases was practically completed on the following transmission lines: Beaudet to Burlington transformer station, Atlas Steels Limited to Crowland transformer station, DeCew Falls transformer station to St. John's Valley junction, St. Thomas transformer station to Essex transformer station, Cooksville transformer station to York transformer station.

Renewal of easement rights, maturing in 1939, necessitated some purchases in fee, but in the main the old agreements were replaced by easements in perpetuity. The original steel-tower transmission line has been covered, together with other wood-pole lines where rights expire in the period 1939-1944.

Land purchases and agreements to clear both sides of the Welland river from Hog island to Montrose have been concluded in accordance with the needs of the Department of National Defence.

In connection with the new development at DeCew Falls, agreement was reached with the Department of Transport for a defined limit between its properties and the Commission's properties from the Allanburg intake to Marlatt's pond, township of Thorold. It was also necessary to purchase land and rights for disposal of material where Twelve Mile creek was deepened and throughout the waterway from the tailrace to Port Dalhousie.



BARRETT CHUTE DEVELOPMENT—MADAWASKA RIVER

Public buildings moved from area to be flooded to new site one mile distant (a) Anglican Church moved intact (b) Separate School and Roman Catholic Church taken down and rebuilt (c) United Church moved intact

Some claims on the Ogoki and Long lake diversions were settled.

Permanent rights were acquired for a patrol road paralleling the Gatineau tower lines from Fitzroy township to the village of Madoc.

Some rural offices were acquired and reconditioned for Commission occupancy.

Sales of excess Commission land have continued with reduction of carrying charges.

Georgian Bay System

Renewals of expiring wood-pole easements and many tree trimming rights were secured.

The Baysville dam site at the outlet of Lake of Bays was acquired.

Rights for a road from Severn Falls station to Big Chute generating station were negotiated.

Eastern Ontario System

Negotiations with the Canadian National Railways for acquisition of right-of-way from Colborne to Port Hope were initiated.

Transmission line rights, involving renewals and in some instances the purchase of fee, were procured for the following lines: Arnprior to Galetta, Heely Falls to Peterborough, Trenton to Oshawa, Peterborough to Lindsay arsenal, Cornwall to Farran's Point distributing station.

Additional property was purchased to provide for expansion of Frontenac transformer station.

A number of damage claims involving in some instances purchase of property were settled in connection with the Barrett Chute development and Bark lake storage. A number of parcels of land adjacent to Kamaniskeg lake associated with the Madawaska development were purchased. The work involved in moving the town site of Madawaska was practically completed. See accompanying illustrations.

Flooding, resulting from the creation of storage reservoirs affected roads in many municipalities. For the most part the lands affected were not of high value but their flooding involved negotiations for the closing of many road allowances and the opening of others in lieu thereof.

A large amount of work was caused by the inter-provincial agreement respecting the Carillon power site on the lower Ottawa river. A permanent base line was established and monumented for reference of all properties affected.

Certain properties were procured to protect the Commission's possible requirements in any development at Des Joachims on the Ottawa river.



ONTARIO QUEBEC BOUNDARY
MONUMENT

Erected at Pointe Fortune 1860



BARRETT CHUTE DEVELOPMENT

Typical boundary post in rock lots 18-19
con. 1, Brougham Twp.

Thunder Bay System

Purchases of right-of-way from Port Arthur transformer station to William Street junction were completed.

Right-of-way requirements for transmission line from William Street junction to Great Lakes Pulp and Paper Company station, Fort William, were completed.

Additional easement rights were procured from Cameron Falls generating station to Port Arthur transformer station.

Northern Ontario Properties

Permanent roadway rights were procured to obtain access to the storage reservoirs of the Nipissing district.

Right-of-way requirements for the new transmission line from Port Arthur to the Steep Rock Iron Mines involved purchases of fee through Port Arthur, easement rights and licenses of occupation extending over a distance of 125 miles.

Surveys

Surveys were completed of all properties acquired and 142 standard monuments were placed. New and renewal easements were surveyed where registration was required.

Work included surveys relating to:

Niagara System

DeCew Falls development.

Agreed upon boundary between properties of the Department of Transport and of the Commission—Allanburg to Marlatt's pond, Thorold township.

Purchases of additional width of right-of-way, Cooksville transformer station to York transformer station.

Renewal of pole line easements.

Location of boundaries for fencing of owned properties where required throughout the Province.

Georgian Bay System

Road from Severn Falls to Big Chute.

Baysville dam.

Renewal of pole line easements.

Eastern Ontario System

Hurd Lake dam.

Oshawa transformer station.

Mud lake (Barrett Chute)

Kamaniskeg lake.

Des Joachims power site.

Frontenac transformer station.

Tweed rural office site.

Transmission line, Ranney Falls to Peterborough.

Thunder Bay System

Transmission line, Port Arthur transformer station to William Street junction to Great Lakes Pulp and Paper Company, Fort William.

Cameron Falls generating station to Port Arthur transformer station.

Northern Ontario Properties

Transmission line from Port Arthur, Rainy River switching station to Moose Lake switching station supplying Steep Rock Iron Mines, including sites for patrolmen's dwellings.

General

Assessments and tax bills from 313 municipalities were certified and where necessary, appeals were entered against assessments not in accordance with the provisions of The Power Commission Act.

The Commission's extensive property holdings have been substantially increased by additional properties acquired during recent years.

Owned rights-of-way and other lands were leased wherever possible for agricultural, industrial or residential use; all residential properties were well maintained. Revenue from leased properties amounted to \$118,134.

In all 1,381 documents were recorded during the year. Property purchased comprised 1,508 acres; property sold 518 acres.

SECTION II

OPERATION OF THE SYSTEMS

PRACTICALLY no trouble was experienced from ice conditions during the winter of 1942-43 in the operation of the Commission's generating stations. During the latter part of the year, the output of a number of the units at the Toronto Power plant was lost by failure of the long vertical steel shafts connecting the generators with the turbines. As a result, the available output of the Toronto Power plant had, by the end of October, been reduced some 70,000 horsepower.

The winter of 1942-43 witnessed many severe snow and sleet storms; the most devastating of these occurred in eastern Ontario on December 29-31, 1942. It was the worst storm in this area in fifty years, crippling power and communication lines, paralyzing transportation of all kinds, and causing great property damage. It was not until January 25 that the Commission completely restored all Hydro service which the storm had disrupted. Electrical storms caused many isolated disturbances and some damage to property, particularly in one instance on the Niagara system when the Preston transformer station building and equipment suffered severe damage by an explosion, indirectly due to lightning.

Water conditions throughout the year averaged above normal on most watersheds. The construction of the remedial weir on the Niagara river above the falls and higher elevations of lake Erie have had an appreciable effect in increasing the output of the Queenston generating station. Completion of the Ogoki diversion project in north-western Ontario has ensured an adequate supply of water for the operation of the Nipigon river plants of the Thunder Bay system. Part of the increased diversion that has been obtained on the Niagara river since the outbreak of war resulted from this added inflow from the upper waters of the Ogoki river.

Parallel Operation of the Systems

It is important to record that throughout the year parallel operation of the Niagara and Eastern Ontario power resources and of the Niagara and Georgian Bay power resources was maintained through the frequency-changer equipment at Chats Falls and at Hanover respectively. Thus, so far as their physical operation is concerned the power resources of southern Ontario have virtually been pooled. Complete integration will be secured when

TOTAL POWER GENERATED

HYDRO-ELECTRIC GENERATING PLANTS

Generating plants	Maximum normal plant capacity Oct. 31, 1943 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1941-42 horse-power	1942-43 horse-power	1941-42 kilowatt-hours	1942-43 kilowatt-hours
Niagara system					
Queenston-Chippawa—Niagara river.....	500,000	505,362	498,660	2,593,597,700	2,808,579,000
“Ontario Power”—Niagara river.....	180,000	182,306	183,646	1,094,741,800	1,098,960,200
“Toronto Power”—Niagara river.....	150,000	147,185	144,504	816,213,800	691,185,200
Chats Falls (Ontario half)—Ottawa river..	108,000	112,601	114,611	433,687,150	337,407,830
DeCew Falls (25 cycle)—Welland canal..	65,000	.....	70,375	.....	21,199,000
DeCew Falls (66 $\frac{2}{3}$ cycle)—Welland canal	50,000	50,938	51,609	187,211,000	179,182,000
Georgian Bay system					
Big Eddy—Muskoka river.....	9,500	10,590	10,556	32,954,750	42,159,990
Ragged Rapids—Muskoka river.....	10,000	10,255	11,260	40,002,480	47,053,030
Bala No. 1 and No. 2—Muskoka river....	600	570	556	1,968,400	1,534,400
South Falls—South Muskoka river.....	5,600	5,697	6,032	25,213,860	30,109,650
Hanna Chute—South Muskoka river.....	1,600	1,743	1,877	7,322,300	9,983,700
Trethewey Falls—South Muskoka river..	2,300	2,346	2,279	7,584,000	11,738,400
Big Chute—Severn river.....	5,800	5,791	5,952	28,831,400	29,600,800
Wasdells Falls—Severn river.....	1,200	1,153	1,086	3,945,904	2,618,830
Eugenia Falls—Beaver river.....	7,800	7,614	7,614	29,040,400	27,913,000
Hanover—Saugeen river.....	400	395	389	1,302,960	466,464
Walkerton—Saugeen river.....	500	489	483	2,167,300	2,535,900
Eastern Ontario system					
Sidney—Dam No. 2—Trent river.....	4,500	5,121	5,643	23,627,400	24,553,500
Frankford—Dam No. 5—Trent river.....	3,500	4,243	3,881	17,341,850	18,516,200
Sills Island—Dam No. 6—Trent river....	2,100	2,232	2,272	6,841,600	10,872,720
Meyersburg—Dam No. 8—Trent river....	7,000	7,741	7,842	36,628,570	41,404,240
Hague's Reach—Dam No. 9—Trent river	4,500	4,899	5,027	23,077,850	24,995,240
Ranney Falls—Dam No. 10—Trent river..	11,500	12,038	11,944	60,219,060	61,753,600
Seymour—Dam No. 11—Trent river.....	4,200	4,651	4,357	20,185,980	21,184,800
Heely Falls—Dam No. 14—Trent river..	15,300	16,086	15,985	78,375,620	78,146,420
Auburn—Dam No. 18—Trent river.....	2,400	2,735	2,661	12,311,890	12,620,280
Douro—Lock No. 24—Otonabee river....	.....	958	737	3,029,920	481,800
Lakefield—Otonabee river.....	2,300	2,534	2,614	8,849,680	10,291,050
Young's Point—Otonabee river.....	500	617	603	1,881,180	2,211,050
Fenelon Falls—Dam No. 30—Sturgeon river	1,000	878	898	4,386,620	3,737,850
Galetta—Mississippi river.....	1,100	1,200	1,186	3,332,100	4,639,200
Carleton Place—Mississippi river.....	400	563	469	898,143	619,295
High Falls—Mississippi river.....	3,000	3,385	3,619	12,693,360	14,025,120
Calabogie—Madawaska river.....	6,000	6,434	6,515	24,130,380	25,525,340
Barrett Chute—Madawaska river.....	54,000	53,284	54,290	9,820,400	209,077,600
Thunder Bay system					
Cameron Falls—Nipigon river.....	73,500	76,407	74,531	367,044,000	360,151,300
Alexander—Nipigon river.....	50,000	52,815	52,547	281,685,200	293,448,800
Northern Ontario Properties					
Abitibi district:					
Abitibi Canyon—Abitibi river.....	240,000	233,378	236,193	1,146,380,000	1,037,505,500
Sudbury district:					
Coniston—Wanapitei river.....	5,900	5,831	5,697	24,127,840	21,339,700
McVittie—Wanapitei river.....	3,100	3,083	3,083	18,612,760	17,725,290
Stinson—Wanapitei river.....	7,500	7,641	7,480	23,937,722	20,165,800
Crystal Falls—Sturgeon river.....	10,000	10,389	10,389	29,792,500	33,918,800
Nipissing district:					
Nipissing—South river.....	2,100	2,172	2,232	6,609,640	8,533,620
Bingham Chute—South river.....	1,200	1,287	1,287	5,328,790	4,706,400
Elliott Chute—South river.....	1,700	1,857	1,863	4,262,350	3,356,400
Patricia district:					
Rat Rapids—Albany river.....	1,800	2,084	2,051	11,250,640	8,250,100
Ear Falls—English river.....	15,000	13,270	10,322	56,702,340	40,813,120
Total generated.....	1,633,400	†	†	7,629,150,589	7,756,797,529

†Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the column headed “Peak load” is not totalled.

AND PURCHASED—ALL SYSTEMS

POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1943	Total purchased	
		1941-42 kilowatt-hours	1942-43 kilowatt-hours
Canadian Niagara Power Co.....	20,000	98,711,400	97,575,700
Department of Transport (Welland Ship Canal)...	4,950	21,339,800	17,700,800
Gatineau Power Co.—25 cycle.....	260,000	1,192,020,960	1,139,787,500
Ottawa Valley Power Co.....	108,000	433,687,150	339,684,870
Beauharnois Light, Heat and Power Co.....	250,000	1,056,960,000	1,214,604,500
MacLaren-Quebec Power Co.—“Main contract”..	125,000	813,009,000	825,965,000
MacLaren-Quebec Power Co.—“War power”....	57,500		
Gatineau Power Co.—60 cycle delivery at 110 kv.	60,000	312,227,840	273,962,800
Gatineau Power Co.—60 cycle delivery at 11 kv..	20,000	72,435,600	72,651,600
Gatineau Power Co.—60 cycle delivery at Tread- well.....	600	664,800	1,543,500
M.F. Beach Estate.....	500	3,161,890	2,520,400
Rideau Power Co.....	400	1,907,200	1,887,100
Campbellford Water and Light Commission.....	800	4,675,900	11,567,300
Manitoulin Pulp Co.....	800	1,314,400	1,357,600
Huronian Co.....	150	455,200	497,400
Pembroke Electric Light Co. Ltd.....	1,000	2,496,980	385,900
Orillia Water, Light and Power Commission....	No Contract	1,498,600	882,950
Gananoque Light, Heat and Power Co.....	“	531,640	642,210
Abitibi Power and Paper Co.....	“	2,420,032	6,422,848
Kaministiquia Power Co.....	“	25,380,300	13,413,760
Fenelon Falls Light, Heat and Power Commission	“	.....	626,400
Total purchased.....	909,700	4,044,898,692	4,023,680,138

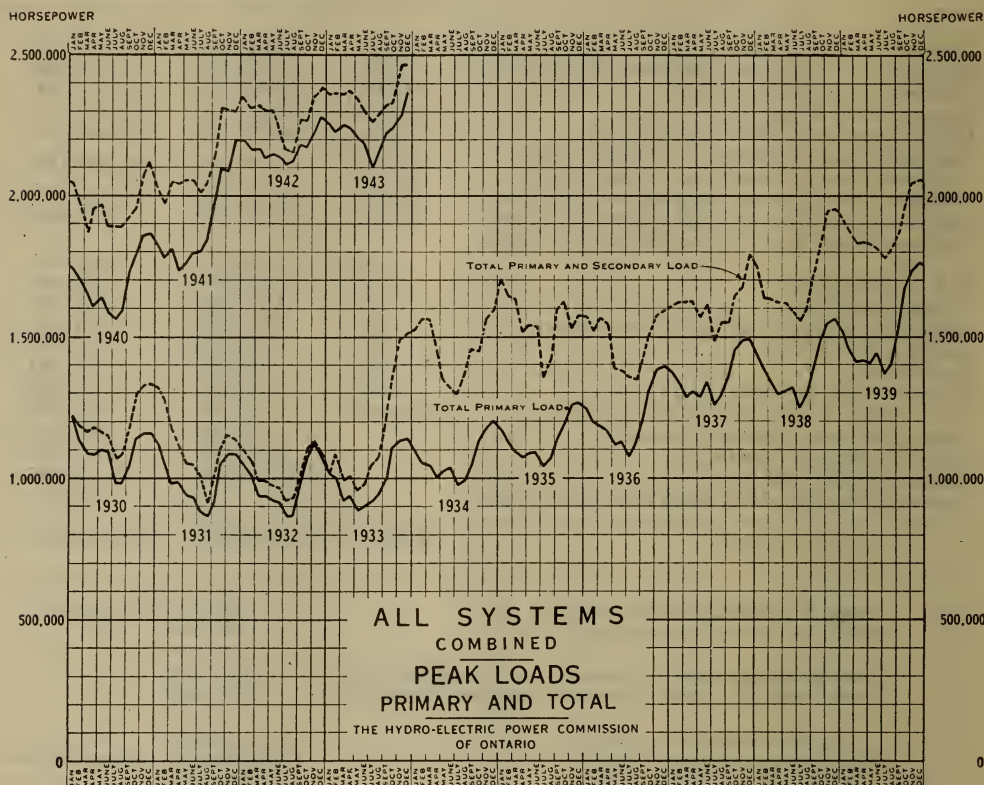
Power purchased, contract amount, 1943.....	909,700 horsepower	
Maximum normal plant capacity, 1943.....	1,633,400	“
Total available capacity generated and purchased, 1943	2,543,100	“
Total available capacity generated and purchased, 1942	2,479,000	“
Difference (increase).....	64,100	“
Total energy purchased, 1943.....	4,023,680,138	kilowatt-hours
Total energy generated, 1943.....	7,756,797,529	“ “
Total energy generated and purchased, 1943.....	11,780,477,667	“ “
Total energy generated and purchased, 1942.....	11,674,049,281	“ “
Difference (increase).....	106,428,386	“ “

CAUTION: The figures for “Maximum normal plant capacity” reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed “Maximum normal plant capacity” cannot be taken as an indication of the dependable capacity of the various plants: in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed “Maximum normal plant capacity” are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

additional 60-cycle tie-lines are provided between the Georgian Bay and Eastern Ontario systems, with some additional equipment for the exchange of power between 60-cycle and 25-cycle areas.*



Load Conditions. November 1, 1942, to October 31, 1943

The aggregate peak load supplied by the Commission occurred in the winter of 1942-43 and was 2,383,923 horsepower. This was 34,100 horsepower above the previous winter's peak. Notwithstanding the restrictive measures which have been in force since September 1942 in the use of power for non-essential purposes, the aggregate primary peak load for all systems and the Northern Ontario Properties exceeded all previous records, reaching a maximum in December of 2,275,183 horsepower. Compared with the corresponding peak of 2,202,612 horsepower of the previous winter it shows an increase of 3.3 per cent.

*Early in 1944 the Niagara, Georgian Bay and Eastern Ontario systems were amalgamated to form the Southern Ontario system. For further details consult the statement on page xi of the Chairman's letter of transmittal.

The total energy output during the year was 11,780,477,667 kilowatt-hours. It exceeded the previous year's record output by about 1.0 per cent. Energy output for primary power purposes also exceeded all previous records, rising from 10,689,922,448 kilowatt-hours in the previous year to 10,852,987,547 kilowatt-hours, an increase of 1.5 per cent.

The small increase in primary load over the previous year reflects in part the effect of mandatory restrictions and the appeal for voluntary curtailment in the use of power, but it also reflects the fact that during the winter of 1942-43 Ontario attained close to its peak output of industrial production for war. The restrictive measures, which commenced in the fall of 1942 and were continued through the current year, made possible, except on a few rare occasions, an uninterrupted supply of power to all war industries in the power shortage area of southern Ontario. Without these measures, war production would have been seriously retarded. In the areas served by the Northern Ontario Properties, where a power shortage did not exist, the average output for primary power purposes receded 3.6 per cent from the previous year's average. This was due chiefly to curtailment in gold mining activities.

Details regarding the peak loads of each of the co-operative systems and of the several districts of the Northern Ontario Properties are given in the load curves in this section of the Report.

NIAGARA SYSTEM

During the year, the monthly primary peak loads of the Niagara system* averaged 3.4 per cent higher than in the previous year.

The total energy output on the Niagara system for primary and secondary power was 2.0 per cent greater than in the previous year. The output of energy classed as primary was about 93.0 per cent of the total energy and exceeded the corresponding output in the previous year by 1.5 per cent.

Under wartime regulations, 50,500 cubic feet of water per second has been available for the generation of power on the Canadian side of the Niagara river throughout the year. This diversion was sufficient to operate all of the Commission's generating stations on the Niagara river at full rated capacity twenty-four hours per day, until the DeCew Falls 25-cycle development came into service in October 1943. The construction of the remedial weir on the Niagara river above the falls, commenced in the previous year, together with the rising levels of lake Erie, had an appreciable effect in increasing the output of the Queenston generating station. During September and October 1943, the output of the Toronto Power plant was considerably reduced by the failure of the long vertical steel shafts on five of the units.

Comparatively little trouble was experienced from ice conditions at the generating stations during the winter. Only on two occasions was there an

*Now Niagara division, Southern Ontario system, see footnote on page 10.

appreciable loss of capacity and then only for short periods when ice entered the intakes of the Ontario Power and Toronto Power plants.

Normal operating conditions existed at Chats Falls throughout the year and the natural flow of the Ottawa river was about average. Except during the spring run-off, maximum use was made of the river flow in the operation of the Chats Falls plant.

The DeCew Falls 66 $\frac{2}{3}$ -cycle generating station operated continuously throughout the year and with the 4,950 horsepower purchased from the Department of Transport, which was arranged for in the previous year, met all the power demands of the Dominion Power and Transmission division of the Niagara system. On February 6, 1943, the frequency changer set at Niagara Falls, which had failed on August 28 of the previous year, was returned to service and was available throughout the remainder of the year for the transfer of surplus energy from the 66 $\frac{2}{3}$ -cycle Dominion Power and Transmission division to the 25-cycle system, where a market existed for off-peak power.

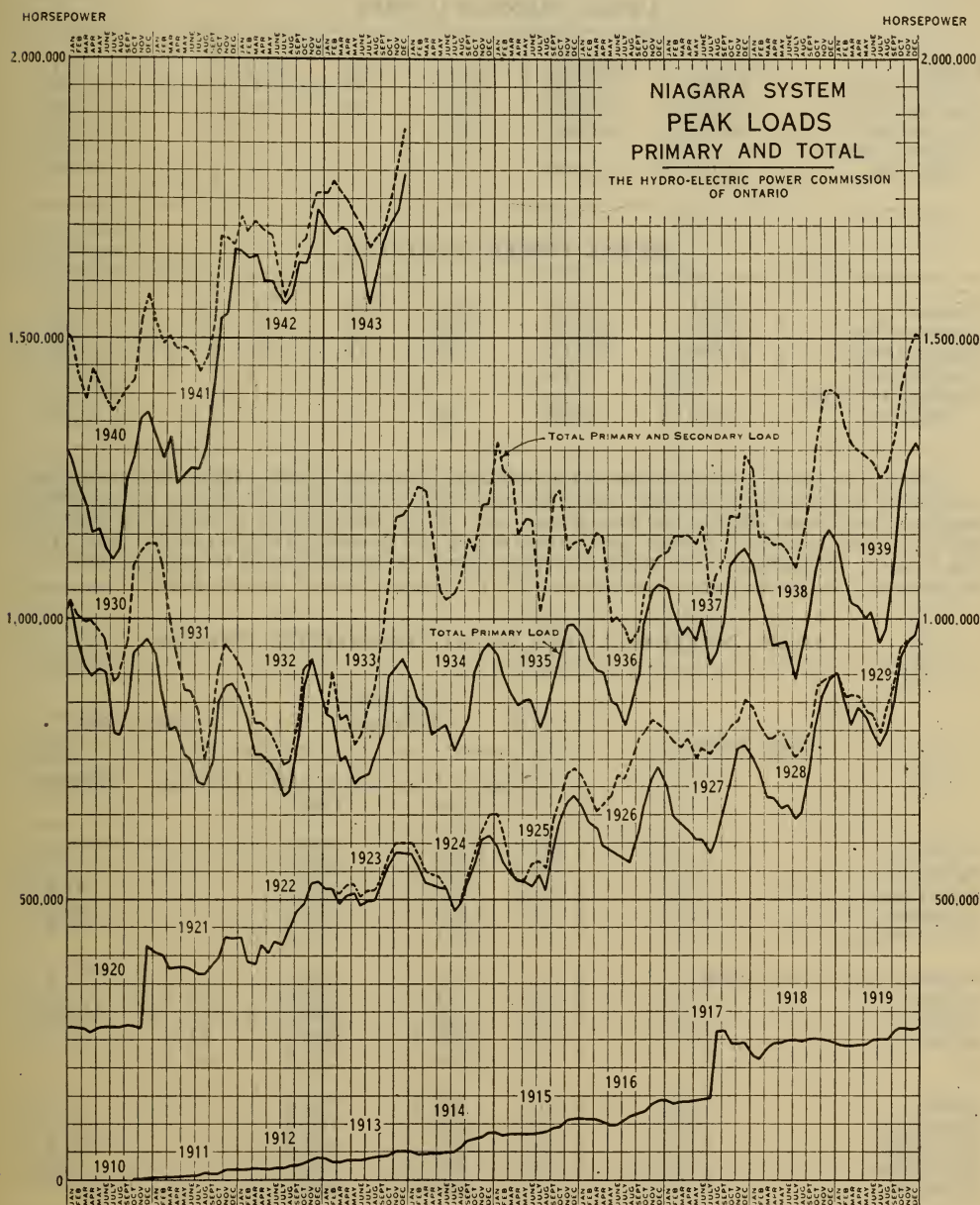
The 65,000-horsepower unit of the newly constructed DeCew Falls 25-cycle development was first tested out on actual load conditions at 5:17 $\frac{1}{2}$ p.m., September 29, 1943. The unit continued intermittently on test runs until October 15 when the new plant was officially opened and placed in continuous commercial service.

All purchased power supply available to the Niagara system was used to the greatest possible extent. A portion of the Quebec delivery was cut off at intervals over several days when lines failed as the result of the severe sleet and snow storms in eastern Ontario, which commenced on December 29, 1942. During the year, 30,184,500 kilowatt-hours were resold to the Beauharnois Light, Heat and Power Company for the use of the Aluminum Company of Canada.

Resources of the Niagara and Eastern Ontario systems were operated in parallel throughout the year. On January 11, 1943, a 25-cycle transformer bank of 47,100-kva capacity was placed in service at Chats Falls generating station, which permitted greater and more flexible interchange of power through the frequency-changer set. Parallel operation with the Georgian Bay system was also maintained throughout the year through the Hanover frequency changer station, supplying shortages on the latter system over peak-load periods and the Niagara system absorbing such surplus power as was available on the Georgian Bay system during off-peak periods.

Although the winter of 1942-43 witnessed an unusual number of severe snow and sleet storms, there were no extensive interruptions to customers served over the Niagara system's lines as a result of these storms. Electrical storms were the cause of many isolated disturbances and some damage to property, particularly in one instance when the Preston transformer-station building and equipment suffered severe damage by an explosion, indirectly due to lightning.

To meet local load conditions, the transformer capacity of three high-tension stations was increased during the year: Crowland transformer station from 75,000 to 100,000 kva; Burlington transformer station from 150,000 to 225,000 kva and Hamilton Gage transformer station from 50,000 to 75,000 kva. As a war measure, a 6,000-kva transformer bank was placed in service at the Steel Company of Canada in Hamilton to provide a further channel for disposing of surplus off-peak power from the Dominion Power and Transmission division of the Niagara system.



**SUMMATION OF PEAK LOADS IN HORSEPOWER AS SUPPLIED TO URBAN
MUNICIPAL UTILITIES AND TO RURAL POWER DISTRICTS, SHOWING
TREND OF POWER DEMANDS 1942-1943**

System	Total of peak loads in horsepower		Net increase in horsepower	Number of utilities with			Total
	July to Dec. 1942	July to Dec. 1943		De- creases	Increases	No change	
URBAN MUNICIPALITIES							
Niagara.....	975,124	1,023,308	48,184	55	124	2	181
Georgian Bay.....	36,367	37,713	1,346	19	41	4	64
Eastern Ontario....	127,448	135,585	8,137	14	46	.....	60
Thunder Bay.....	40,732	42,604	1,872	1	4	.....	5
Northern Ontario Properties.....	15,951	16,664	713	9	6	1	16

RURAL POWER DISTRICTS

Niagara.....	72,561	77,763	5,202	13	51	.....	64
Georgian Bay.....	12,208	12,771	563	3	19	.....	22
Eastern Ontario....	17,696	18,162	466	11	15	1	27
Thunder Bay.....	714	724	10	.....	1	1	2
Northern Ontario Properties.....	2,242	2,690	448	1	4	.....	5

NOTE: The yearly peak demands of the individual municipal Hydro utilities and also of the rural power districts do not all occur during the same month of the year nor, for any given municipality or rural power district, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1942-1943

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Acton.....	1,619.2	1,660.8	.....	41.6
Agincourt.....	233.5	225.9	7.6	.....
Ailsa Craig.....	137.7	157.8	.....	20.1
Alvinston.....	102.4	117.3	.....	14.9
Amherstburg.....	871.8	947.8	.....	76.0
Ancaster Twp.—Voted Area.....	398.0	439.4	.....	41.4
Arkona.....	73.0	59.8	13.2	.....
Aurora.....	1,356.7	1,476.5	.....	119.8
Aylmer.....	954.3	933.0	21.3	.....
Ayr.....	265.9	222.6	43.3	.....
Baden.....	546.1	544.0	2.1	.....
Beachville.....	718.7	729.7	.....	11.0
Beamsville.....	434.3	452.4	.....	18.1
Belle River.....	203.5	207.0	.....	3.5
Blenheim.....	513.9	586.0	.....	72.1

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1942-1943—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Blyth.....	154.0	149.5	4.5	.....
Bolton.....	217.3	244.6	.....	27.3
Bothwell.....	124.5	129.7	.....	5.2
Brampton.....	2,997.0	2,706.1	290.9	.....
Brantford.....	21,491.0	22,302.2	.....	811.2
Brantford Twp.—Voted Area.....	1,089.0	1,259.9	.....	170.9
Bridgeport.....	169.9	157.5	12.4	.....
Brigden.....	87.7	93.8	.....	6.1
Bronte.....	187.1	198.8	.....	11.7
Brussels.....	151.5	153.3	.....	1.8
Burford.....	281.9	295.2	.....	13.3
Burgessville.....	53.5	56.2	.....	2.7
Burlington.....	1,670.5	1,624.2	46.3	.....
Burlington Beach.....	503.9	463.2	40.7	.....
Caledonia.....	359.3	358.9	0.4	.....
Campbellville.....	39.7	42.9	.....	3.2
Cayuga.....	126.9	132.8	.....	5.9
Chatham.....	6,645.0	7,095.4	.....	450.4
Chippawa.....	345.8	364.2	.....	18.4
Clifford.....	105.6	111.4	.....	5.8
Clinton.....	702.1	686.7	15.4	.....
Comber.....	155.0	170.6	.....	15.6
Cottam.....	78.7	85.5	.....	6.8
Courtright.....	50.3	52.1	.....	1.8
Dashwood.....	111.4	118.6	.....	7.2
Delaware.....	74.3	75.3	.....	1.0
Delhi.....	630.0	703.5	.....	73.5
Dorchester.....	111.8	124.0	.....	12.2
Drayton.....	135.2	166.8	.....	31.6
Dresden.....	440.3	493.4	.....	53.1
Drumbo.....	125.1	115.5	9.6	.....
Dublin.....	105.1	71.4	33.7	.....
Dundas.....	3,074.7	3,166.8	.....	92.1
Dunnville.....	1,297.7	1,374.2	.....	76.5
Dutton.....	258.3	263.7	.....	5.4
East York Twp.—Voted Area.....	8,379.2	9,502.9	.....	1,123.7
Elmira.....	1,061.5	1,304.5	.....	243.0
Elora.....	515.4	485.3	30.1	.....
Embro.....	143.7	179.2	.....	35.5
Erieau.....	181.2	160.2	21.0	.....
Erie Beach.....	40.0	33.0	7.0	.....
Essex.....	637.5	641.6	.....	4.1
Etobicoke Twp.—Voted Area.....	7,799.1	8,774.8	.....	975.7
Exeter.....	773.1	792.1	.....	19.0
Fergus.....	1,414.1	1,313.3	100.8	.....
Fonthill.....	199.2	208.3	.....	9.1
Forest.....	563.3	596.5	.....	33.2
Forest Hill.....	7,164.9	7,819.0	.....	654.1
Galt.....	11,869.4	11,982.1	.....	112.7
Georgetown.....	1,729.9	1,825.9	.....	96.0

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1942-1943—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Glencoe.....	198.5	204.1	.....	5.6
Goderich.....	1,668.6	1,809.0	.....	140.4
Granton.....	83.0	75.5	7.5	.....
Grimsby.....	1,040.2	892.8	147.4	.....
Guelph.....	11,437.3	11,953.4	.....	516.1
Hagersville.....	1,279.6	1,215.7	63.9	.....
Hamilton.....	158,149.5	160,472.0	.....	2,322.5
Harriston.....	471.2	522.5	.....	51.3
Harrow.....	624.4	625.3	.....	0.9
Hensall.....	214.9	236.1	.....	21.2
Hespeler.....	2,927.4	2,810.3	117.1	.....
Highgate.....	89.4	113.3	.....	23.9
Humberstone.....	591.5	612.4	.....	20.9
Ingersoll.....	3,201.4	3,369.6	.....	168.2
Jarvis.....	203.7	192.8	10.9	.....
Kingsville.....	591.7	691.4	.....	99.7
Kitchener.....	26,597.9	27,462.5	.....	864.6
Lambeth.....	132.0	138.2	.....	6.2
LaSalle.....	245.1	274.2	.....	29.1
Leamington.....	2,105.0	2,027.5	77.5	.....
Listowel.....	1,556.3	1,518.5	37.8	.....
London.....	38,397.9	40,957.4	.....	2,559.5
London Twp.—Voted Area.....	598.7	633.5	.....	34.8
Long Branch.....	1,333.8	1,374.9	.....	41.1
Lucan.....	209.9	206.8	3.1	.....
Lynden.....	115.2	122.5	.....	7.3
Markham.....	400.5	423.2	.....	22.7
Merlin.....	101.7	94.1	7.6	.....
Merritton.....	9,796.6	12,509.5	.....	2,712.9
Milton.....	1,398.6	1,559.2	.....	160.6
Milverton.....	388.5	392.4	3.9	.....
Mimico.....	2,540.2	2,954.0	.....	404.8
Mitchell.....	829.1	749.5	79.6	.....
Moorefield.....	44.5	45.7	.....	1.2
Mount Brydges.....	102.1	98.9	3.2	.....
Newbury.....	31.6	33.6	.....	2.0
New Hamburg.....	674.5	619.8	54.7	.....
Newmarket.....	1,954.1	1,857.6	96.5	.....
New Toronto.....	11,818.0	12,320.4	.....	502.4
Niagara Falls.....	10,275.3	10,631.4	.....	356.1
Niagara-on-the-Lake.....	1,106.7	1,095.3	11.4	.....
North York Twp.—Voted Area.....	9,891.1	11,630.0	.....	1,738.9
Norwich.....	496.5	439.0	57.5	.....
Oakville.....	1,128.7	1,301.6	.....	172.9
Oil Springs.....	189.9	185.6	4.3	.....
Otterville.....	126.3	132.7	.....	6.4
Palmerston.....	613.0	606.3	6.7	.....
Paris.....	1,915.2	2,118.2	.....	203.0
Parkhill.....	201.1	214.5	.....	13.4
Petrolia.....	1,010.2	1,095.4	.....	85.2

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1942-1943—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Plattsville.....	135.2	141.4	.....	6.2
Point Edward.....	1,691.0	1,776.3	.....	85.3
Port Colborne.....	2,426.3	2,591.0	.....	164.7
Port Credit.....	897.4	994.1	.....	96.7
Port Dalhousie.....	1,136.2	1,200.3	.....	64.1
Port Dover.....	536.3	533.9	2.4	.....
Port Rowan.....	100.7	114.0	.....	13.3
Port Stanley.....	1,204.3	1,171.6	32.7	.....
Preston.....	4,149.2	4,265.4	.....	116.2
Princeton.....	136.3	144.5	.....	8.2
Queenston.....	165.0	142.3	22.7	.....
Richmond Hill.....	501.3	509.0	.....	7.7
Ridgetown.....	607.2	638.5	.....	31.3
Riverside.....	1,186.0	1,258.1	.....	72.1
Rockwood.....	141.0	134.4	6.6	.....
Rodney.....	149.9	153.6	.....	3.7
St. Catharines.....	29,072.4	32,391.1	.....	3,318.7
St. Clair Beach.....	132.0	104.1	27.9	.....
St. George.....	157.9	156.3	1.6	.....
St. Jacobs.....	368.8	364.6	4.2	.....
St. Marys.....	1,603.7	1,624.5	.....	20.8
St. Thomas.....	7,612.6	7,967.8	.....	355.2
Sarnia.....	11,087.6	11,362.2	.....	274.6
Scarborough Twp.....	4,778.3	5,036.2	.....	257.9
Seaforth.....	800.1	783.4	16.7	.....
Simcoe.....	2,581.2	2,713.1	.....	131.9
Smithville.....	185.0	196.0	.....	11.0
Springfield.....	70.6	75.7	.....	5.1
Stamford Twp.—Voted Area.....	2,826.8	3,139.1	.....	312.3
Stoney Creek.....	247.3	263.4	.....	16.1
Stouffville.....	328.4	351.3	.....	22.9
Stratford.....	8,234.3	7,705.5	528.8	.....
Strathroy.....	1,600.9	1,597.4	3.5	.....
Streetsville.....	250.1	246.2	3.9	.....
Sutton.....	454.0	474.1	.....	20.1
Swansea.....	3,239.3	3,319.0	.....	79.7
Tavistock.....	725.2	715.4	9.8	.....
Tecumseh.....	515.7	571.0	.....	55.3
Thamesford.....	241.8	241.1	0.7	.....
Thamesville.....	207.5	223.9	.....	16.4
Thedford.....	133.5	136.7	.....	3.2
Thorndale.....	95.1	103.2	.....	8.1
Thorold.....	2,465.2	2,867.2	.....	402.0
Tilbury.....	1,469.9	1,574.1	.....	104.2
Tillsonburg.....	1,248.3	1,407.0	.....	158.7
Toronto.....	356,427.6	377,179.6	.....	20,752.0
Toronto Twp.—Voted Area.....	3,167.0	3,466.3	.....	299.3
Trafalgar Twp. V.A. No. 1.....	429.5	429.5	.....	.....
Trafalgar Twp. V.A. No. 2.....	170.3	189.4	.....	19.1
Wallaceburg.....	3,809.9	4,217.7	.....	407.8

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1942-1943—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Wardsville.....	37.7	40.3	.....	2.6
Waterdown.....	266.3	272.8	.....	6.5
Waterford.....	489.3	453.9	35.4	.....
Waterloo.....	5,817.7	5,701.1	116.6	.....
Watford.....	403.3	415.9	.....	12.6
Welland.....	12,206.4	11,217.2	989.2	.....
Wellesley.....	144.0	151.9	.....	7.9
West Lorne.....	259.8	240.0	19.8	.....
Weston.....	4,835.1	4,892.3	.....	57.2
Wheatley.....	193.8	200.5	.....	6.7
Windsor.....	51,526.6	55,342.1	.....	3,815.5
Woodbridge.....	677.5	653.1	24.4	.....
Woodstock.....	8,692.7	8,632.4	60.3	.....
Wyoming.....	77.9	77.9	.....	.....
York Township.....	21,328.4	22,296.2	.....	967.8
Zurich.....	154.5	161.1	.....	6.6

NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1942-1943

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Aylmer.....	1,417.3	1,522.5	.....	105.2
Baden.....	896.4	883.1	13.3	.....
Beamsville.....	2,269.1	2,202.9	66.2	.....
Blenheim.....	322.5	355.0	.....	32.5
Bond Lake.....	2,095.2	2,100.2	.....	5.0
Bothwell.....	694.7	692.6	2.1	.....
Brampton.....	863.4	919.2	.....	55.8
Brant.....	1,997.8	2,133.7	.....	135.9
Brigden.....	138.9	156.3	.....	17.4
Burford.....	924.5	920.1	4.4	.....
Caledonia.....	1,292.2	1,468.5	.....	176.3
Chatham.....	1,114.4	1,086.1	28.3	.....
Chippawa.....	202.7	233.0	.....	30.3
Delaware.....	706.2	834.2	.....	128.0
Dorchester.....	945.2	1,349.2	.....	404.0
Dresden.....	224.5	244.9	.....	20.4
Dundas.....	1,324.9	1,377.3	.....	52.4
Dunnville.....	549.8	647.1	.....	97.3
Dutton.....	227.4	236.8	.....	9.4
Elmira.....	439.9	436.6	3.3	.....
Essex.....	924.8	891.9	32.9	.....
Exeter.....	1,348.8	1,506.6	.....	157.8
Forest.....	558.8	696.8	.....	138.0
Galt.....	491.9	556.7	.....	64.8
Goderich.....	977.3	1,136.5	.....	159.2

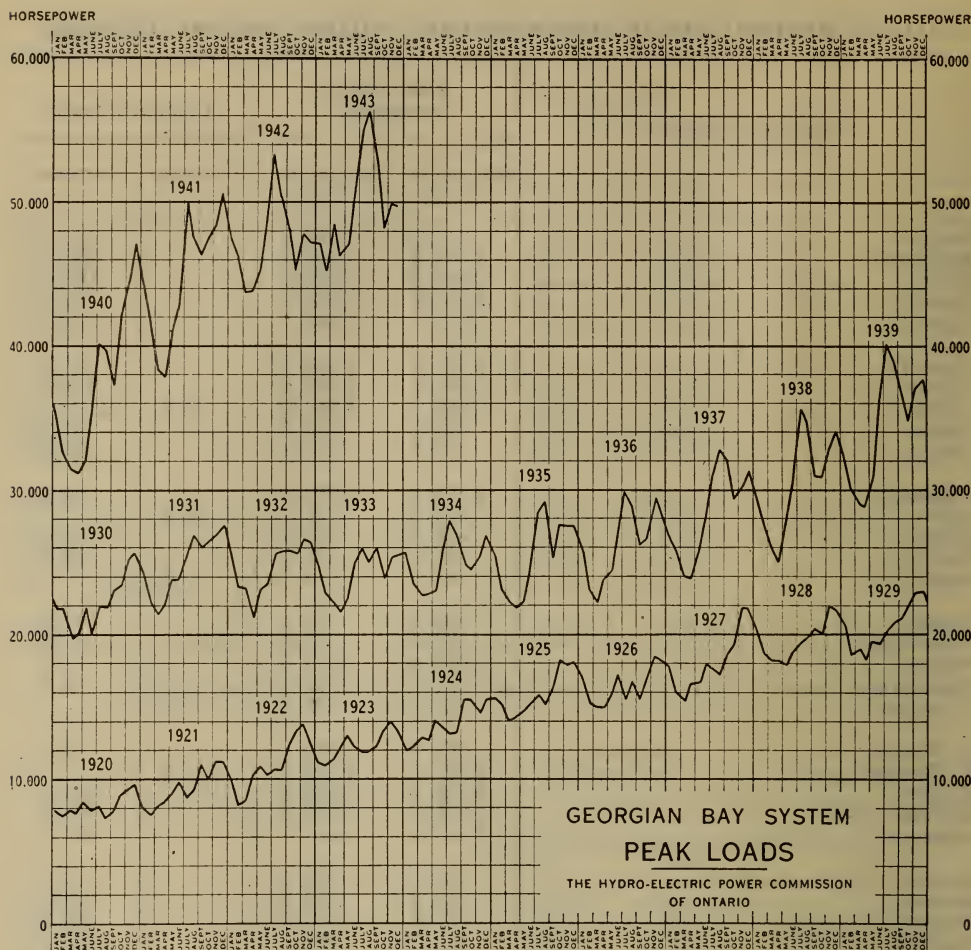
NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1942-1943—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Guelph.....	977.6	1,366.5	.....	388.9
Haldimand.....	1,669.8	1,954.4	.....	284.6
Harrow.....	2,439.0	2,619.7	.....	180.7
Ingersoll.....	1,608.6	1,691.7	.....	83.1
Keswick.....	2,259.3	2,397.7	.....	138.4
Kingsville.....	1,377.2	1,414.5	.....	37.3
Listowel.....	993.3	1,132.0	.....	138.7
London.....	2,959.4	2,867.2	92.2	.....
Lucan.....	343.7	403.8	.....	60.1
Lynden.....	424.8	448.1	.....	23.3
Markham.....	2,398.1	2,493.0	.....	94.9
Merlin.....	812.9	720.1	92.8	.....
Milton.....	479.9	561.4	.....	81.5
Mitchell.....	527.2	546.0	.....	18.8
Niagara.....	2,808.4	2,798.1	10.3	.....
Norwich.....	828.5	876.4	.....	47.9
Oil Springs.....	392.3	437.6	.....	45.3
Preston.....	2,052.8	2,131.5	.....	78.7
Ridgetown.....	598.3	642.1	.....	43.8
St. Jacobs.....	561.4	552.5	8.9	.....
St. Marys.....	987.3	1,060.4	.....	73.1
St. Thomas.....	2,597.1	2,482.3	114.8	.....
Saltfleet.....	2,216.4	2,670.3	.....	453.9
Sandwich.....	2,236.0	2,516.8	.....	280.8
Sarnia.....	1,163.9	1,601.7	.....	437.8
Seaforth.....	127.5	130.3	.....	2.8
Simcoe.....	706.4	881.2	.....	120.8
Stratford.....	434.6	473.0	.....	38.4
Strathroy.....	412.5	494.2	.....	81.7
Streetsville.....	799.2	852.3	.....	53.1
Tavistock.....	589.9	585.5	4.4	.....
Tillsonburg.....	893.2	948.0	.....	54.8
Wallaceburg.....	506.8	526.1	.....	19.3
Walsingham.....	1,542.3	1,654.2	.....	111.9
Walton.....	237.3	289.6	.....	52.3
Waterdown.....	1,811.8	1,853.6	.....	41.8
Welland.....	2,580.6	2,597.8	.....	17.2
Woodbridge.....	1,789.8	2,011.2	.....	221.4
Woodstock.....	1,413.4	1,492.5	.....	79.1

GEORGIAN BAY SYSTEM

The primary load of the Georgian Bay system occurred in the summer, which is the normal peak period of this system, and was 56,295 horsepower. It exceeded the peak of the previous summer by 5.7 per cent. The total energy output used for primary load during the year was 4.0 per cent greater.

Water storage and river flow on the Georgian Bay system was considerably above normal during the greater part of the year. The energy



output of the generating stations on this system exceeded that of the previous year by 14.0 per cent.

The Hanover frequency-changer station, the connecting link between the Georgian Bay and Niagara systems, was in constant operation throughout the year. The Georgian Bay system required assistance over the peak periods of most days and also energy assistance during late summer and early fall months when river flows were at their usual low point. From November 9, 1942, to the middle of June, 1943, approximately 17,500,000 kilowatt-hours of surplus energy was generated on this system at off-peak periods. Except for a small amount supplied to a war industry, this surplus was absorbed by the Niagara system.*

Assistance was given to the Orillia Water, Light and Power Commission over many of their peak-load periods, chiefly during the summer and fall months of 1943.

There were no serious failures of equipment during the year and service in general was well maintained throughout the Georgian Bay system.

*See footnote on page 10.

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1942-1943

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Alliston.....	417.1	447.4	.....	30.3
Arthur.....	164.0	161.3	2.7	.....
Bala.....	332.2	347.7	.....	15.5
Barrie.....	4,260.1	4,068.4	191.7	.....
Beaverton.....	376.9	372.6	4.3	.....
Beeton.....	138.5	180.8	.....	42.3
Bradford.....	225.7	225.7	.....	.....
Brechin.....	80.3	83.8	.....	3.5
Cannington.....	217.5	241.9	.....	24.4
Carlsruhe.....	5.0	5.0	.....	.....
Chatsworth.....	79.6	98.6	.....	19.0
Chesley.....	643.4	605.0	38.4	.....
Coldwater.....	126.7	141.6	.....	14.9
Collingwood.....	2,690.4	2,909.2	.....	218.8
Cookstown.....	88.9	107.4	.....	18.5
Creemore.....	151.9	158.3	.....	6.4
Dundalk.....	275.2	260.4	14.8	.....
Durham.....	407.7	433.5	.....	25.8
Elmvale.....	176.4	182.0	.....	5.6
Elmwood.....	73.1	69.4	3.7	.....
Flesherton.....	52.7	66.3	.....	13.6
Grand Valley.....	138.4	148.5	.....	10.1
Gravenhurst.....	1,146.0	1,197.1	.....	51.1
Hanover.....	1,442.0	1,493.9	.....	51.9
Hepworth.....	14.2	24.8	.....	10.6
Holstein.....	25.1	21.7	3.4	.....
Huntsville.....	1,245.1	1,223.4	21.7	.....
Kincardine.....	847.4	800.4	47.0	.....
Kirkfield.....	26.0	26.0	.....	.....
Lucknow.....	340.2	446.2	.....	106.0
MacTier.....	145.8	153.2	.....	7.4
Markdale.....	204.2	201.5	2.7	.....
Meaford.....	731.1	764.9	.....	33.8
Midland.....	4,760.1	4,869.6	.....	109.5
Mildmay.....	142.2	161.0	.....	18.8
Mount Forest.....	515.2	594.2	.....	79.0
Neustadt.....	45.0	46.1	.....	1.1
Orangeville.....	789.2	764.5	24.7	.....
Owen Sound.....	5,682.2	6,153.5	.....	471.3
Paisley.....	139.1	121.0	18.1	.....
Penetanguishene.....	1,060.6	1,028.0	32.6	.....
Port Carling.....	282.4	333.3	.....	50.9
Port Elgin.....	666.0	683.3	.....	17.3
Port McNicoll.....	93.4	104.1	.....	10.7
Port Perry.....	334.8	369.6	.....	34.8
Priceville.....	10.0	10.0	.....	.....
Ripley.....	112.9	121.2	.....	8.3
Rosseau.....	49.0	49.6	.....	0.6
Shelburne.....	257.4	295.3	.....	37.9
Southampton.....	692.5	713.7	.....	21.2

GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1942-1943—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Stayner	314.0	319.5	.....	5.5
Sunderland	75.6	81.8	.....	6.2
Tara	120.6	128.5	.....	7.9
Teeswater	135.3	150.3	.....	15.0
Thornton	34.6	39.2	.....	4.6
Tottenham	95.6	91.6	4.0	.....
Uxbridge	373.6	390.5	.....	16.9
Victoria Harbour	118.3	117.3	1.0	.....
Walkerton	1,001.2	996.6	4.6	.....
Waubashene	139.8	167.1	.....	27.3
Wiarton	301.2	283.7	17.5	.....
Windermere	94.4	79.9	14.5	.....
Wingham	664.7	705.4	.....	40.7
Woodville	77.0	76.1	0.9	.....

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1942-1943

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Alliston	1,669.3	1,656.8	12.5	.....
Bala	663.8	685.1	.....	21.3
Barrie	973.2	974.5	.....	1.3
Baysville	254.7	262.9	.....	8.2
Beaumaris	638.2	651.9	.....	13.7
Beaverton	451.1	503.3	.....	52.2
Bruce	637.6	635.2	2.4	.....
Cannington	148.0	166.5	.....	18.5
Creemore	320.1	327.3	.....	7.2
Gravenhurst	139.7	215.0	.....	75.3
Hawkestone	305.6	343.1	.....	37.5
Holstein	70.0	72.1	.....	2.1
Huntsville	401.0	466.9	.....	65.9
Midland	1,045.9	1,063.9	.....	18.0
Owen Sound	202.6	219.7	.....	17.1
Shelburne	467.7	496.6	.....	28.9
Sparrow Lake	427.7	453.7	.....	26.0
Tara	613.7	729.5	.....	115.8
Utterson	253.0	289.9	.....	36.9
Uxbridge	746.6	746.3	0.3	.....
Wasaga Beach	1,259.3	1,271.8	.....	12.5
Wroxeter	519.6	538.9	.....	19.3

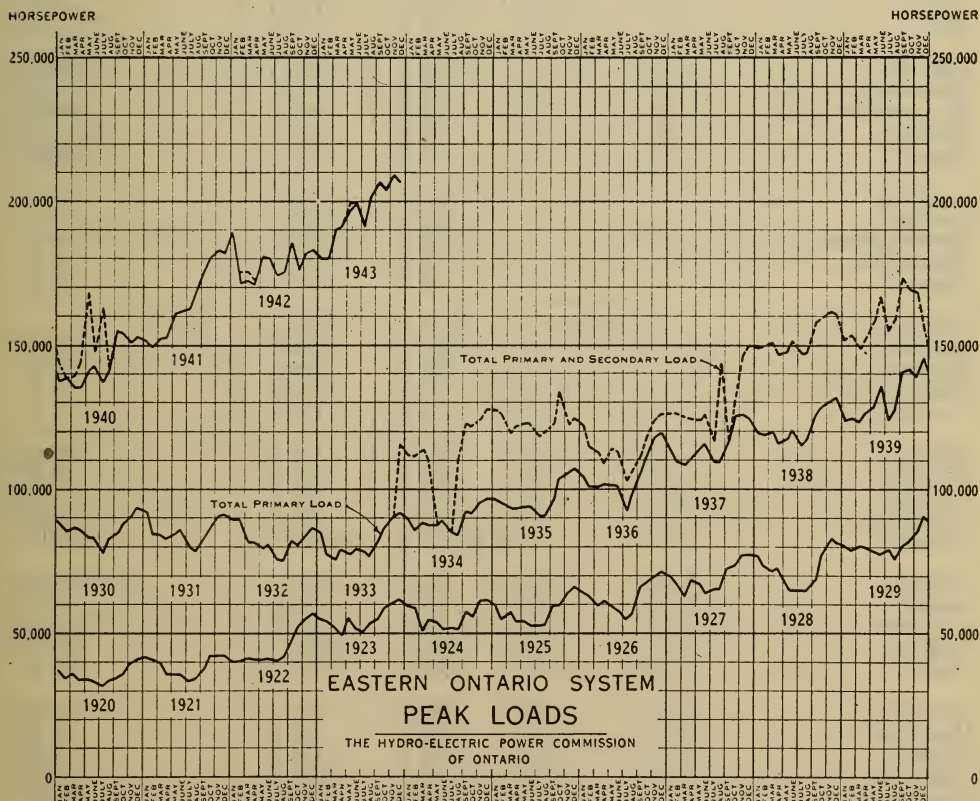
EASTERN ONTARIO SYSTEM

Although restrictive measures in the use of power were in force on the Eastern Ontario system throughout the year, the primary peak load of 206,452 horsepower, which occurred in September 1943, exceeded all previous records and that of the previous year by 10.9 per cent. The total energy output used for primary load was 10.2 per cent greater.

The Eastern Ontario system has been operated in parallel with the Niagara system throughout the year, thus permitting the continuous interchange of power to the mutual advantage of both systems. During the summer and early fall months, when river flows were low and it was desirable to conserve storage on the Eastern Ontario system, some 37,000,000 kilowatt-hours were supplied from the Niagara system. At other times the Eastern Ontario system had a surplus of approximately 146,000,000 kilowatt-hours which was supplied to Niagara system customers. Thus river flow and storage facilities of the Eastern Ontario system were utilized in a manner which most benefitted the load requirements of southern Ontario as a whole.*

Stream flow conditions on the rivers in the Eastern Ontario system averaged above normal. Compared with the previous year the generating stations on the Trent Valley watershed produced about five per cent more energy and the output of Barrett Chute plant was above normal expectations.

*See footnote on page 10



Under a program of water conservation, the Eastern Ontario system endeavored to absorb such surplus energy as was available from purchase-power sources. During the year, the energy thus purchased totalled about 8,500,000 kilowatt-hours.

Ice conditions at the generating stations were not particularly troublesome during the winter and there was no extensive reduction in capacity from this cause. The paralyzing sleet storm of December 29, 1942, was the cause of much damage to transmission lines and resulted in many extended service interruptions in the eastern portion of the system. Unfavorable weather and transportation conditions which followed the sleet storm, made repairs, which were mostly of a temporary nature, difficult. The permanent repairs, which have progressed as occasions permitted, were not fully completed at the end of the fiscal year.

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1942-1943

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Alexandria.....	212.6	206.5	6.1	.....
Apple Hill.....	54.1	56.7	.....	2.6
Arnprior.....	1,193.4	1,303.0	.....	109.6
Athens.....	137.1	138.1	.....	1.0
Bath.....	51.6	60.0	.....	8.4
Belleville.....	7,561.4	7,682.1	.....	120.7
Bloomfield.....	158.8	156.6	2.2	.....
Bowmanville.....	2,752.3	2,993.2	.....	240.9
Braeside.....	351.6	335.8	15.8	.....
Brighton.....	402.3	513.0	.....	110.7
Brockville.....	4,815.0	4,939.7	.....	124.7
Cardinal.....	376.5	384.4	.....	7.9
Carleton Place.....	1,924.2	1,974.9	.....	50.7
Chesterville.....	292.8	300.7	.....	7.9
Cobden.....	90.6	107.2	.....	16.6
Cobourg.....	2,496.9	2,294.9	202.0	.....
Colborne.....	205.1	244.2	.....	39.1
Deseronto.....	205.6	236.1	.....	30.5
Finch.....	98.1	106.8	.....	8.7
Frankford.....	163.4	177.6	.....	14.2
Hastings.....	105.7	121.6	.....	15.9
Havelock.....	144.0	153.9	.....	9.9
Iroquois.....	260.3	244.8	15.5	.....
Kemptville.....	344.4	384.3	.....	39.9
Kingston.....	13,221.2	14,529.9	.....	1,308.7
Lakefield.....	353.5	469.5	.....	116.0
Lanark.....	83.4	85.1	.....	1.7
Lancaster.....	54.1	50.0	4.1	.....
Lindsay.....	3,859.9	3,889.4	.....	29.5
Madoc.....	193.3	222.5	.....	29.2
Marmora.....	136.3	142.4	.....	6.1
Martintown.....	34.4	43.6	.....	9.2
Maxville.....	111.3	114.6	.....	3.3
Millbrook.....	85.1	94.1	.....	9.0
Morrisburg.....	286.9	305.0	.....	18.1

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1942-1943—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Napanee	1,442.4	1,431.6	10.8	.....
Newburgh	43.3	48.4	.....	5.1
Newcastle	220.1	185.7	34.4	.....
Norwood	139.3	151.5	.....	12.2
Omeme	155.1	191.5	.....	36.4
Orono	91.5	95.6	.....	4.1
Oshawa	16,789.4	18,385.4	.....	1,596.0
Ottawa	35,419.0	38,822.2	.....	3,403.2
Perth	1,737.3	1,845.8	.....	108.5
Peterborough	12,189.5	12,831.4	.....	641.9
Picton	1,209.6	1,235.2	.....	25.6
Port Hope	2,483.8	2,531.7	.....	47.9
Prescott	1,474.5	1,449.7	24.8	.....
Richmond	89.9	69.8	20.1	.....
Russell	64.8	71.6	.....	6.8
Smiths Falls	2,785.1	2,913.1	.....	128.0
Stirling	298.1	333.4	.....	35.3
Trenton	5,230.8	5,206.9	23.9	.....
Tweed	262.4	271.3	.....	8.9
Warkworth	73.2	72.5	0.7	.....
Wellington	279.9	334.5	.....	54.6
Westport	103.2	99.7	3.5	.....
Whitby	1,572.1	1,448.8	123.3	.....
Williamsburg	103.3	103.5	.....	0.2
Winchester	373.2	391.8	.....	18.6

EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1942-1943

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Arnprior	513.6	466.9	46.7	.....
Belleville	902.5	964.7	.....	62.2
Bowmanville	302.3	307.8	.....	5.5
Brighton	82.0	92.3	.....	10.3
Brockville	1,017.8	1,049.4	.....	31.6
Carleton Place	183.3	203.1	.....	19.8
Cobourg	790.5	781.0	9.5	.....
Fenelon Falls	597.5	648.3	.....	50.8
Frankford	716.1	763.5	.....	47.4
Kingston	1,532.2	1,527.6	4.6	.....
Lakefield	222.5	244.0	.....	21.5
Madoc	93.9	103.8	.....	9.9
Marmora	10.0	10.0	.....	.....
Martintown	940.8	1,002.6	.....	61.8
Millbrook	111.0	127.5	.....	16.5

EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1942-1943

—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Minden	174.3	160.8	13.5	.....
Napanee	668.7	713.9	.....	45.2
Nepean	2,104.4	2,013.8	90.6	.....
Norwood	94.6	89.8	4.8	.....
Omeme	35.0	30.0	5.0	.....
Oshawa	1,941.9	2,205.2	.....	263.3
Peterborough	1,173.4	1,164.6	8.8	.....
Renfrew	317.1	256.8	60.3	.....
Smiths Falls	635.2	683.8	.....	48.6
Sulphide	138.1	129.4	8.7	.....
Wellington	1,257.5	1,233.7	23.8	.....
Winchester	1,139.8	1,188.0	.....	48.2

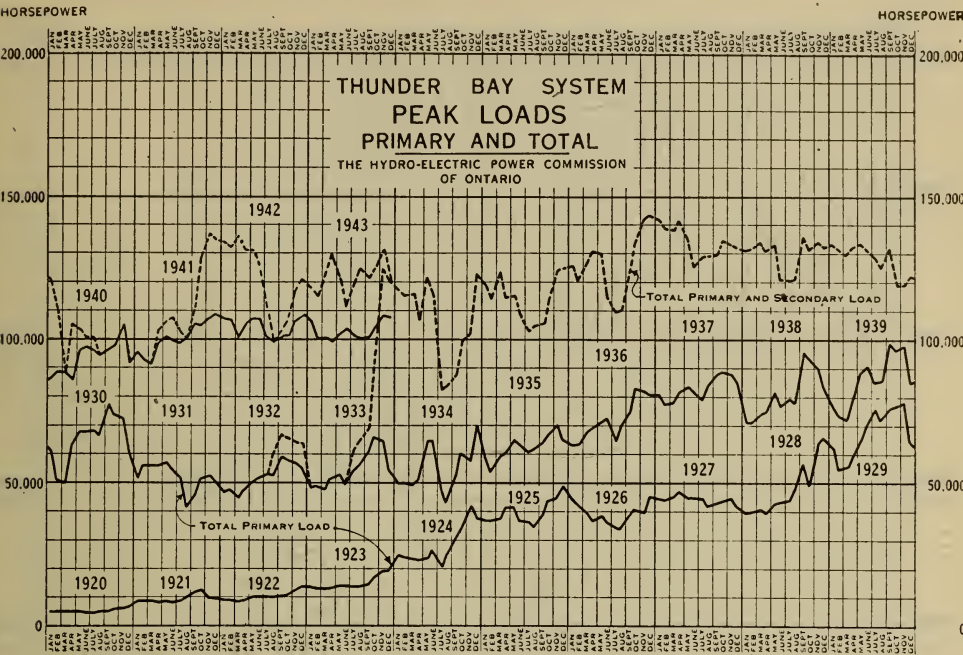
THUNDER BAY SYSTEM

The primary demand of the Thunder Bay system reached a maximum in December 1942 of 108,552 horsepower. This was practically the same as the previous year's peak. The energy output for primary load was also the same as in the previous year.

By the completion of the Ogoki diversion project in July, some 4,000 c.f.s. was added to the former inflow to lake Nipigon. During the year outflow has been regulated to maintain approximate constant level of lake Nipigon and has enabled the generation of 98,144,140 kilowatt-hours in excess of the primary load demands of the Thunder Bay system. This surplus power was supplied to the electric boilers at the paper companies. From about May 15 to September 15, a flow of some 700 cubic feet of water per second was used to drive pulp wood past the generating stations.

Arrangements were continued in 1943 enabling the paper companies under the control of the Abitibi Power and Paper Company to transfer power for electric steam boiler operation from the generating station of the Kaministiquia Power Company, a subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits. During the year, 13,413,760 kilowatt-hours were thus transferred to the paper companies which, with the surplus energy available at the Cameron Falls and Alexander generating stations, produced a total of 111,557,900 kilowatt-hours for electric boiler operation.

At the close of the year changes in the location of the 110,000-volt lines at Port Arthur transformer station were completed, preparatory to the delivery of power to Steep Rock and Ontario-Minnesota Pulp and Paper Company.

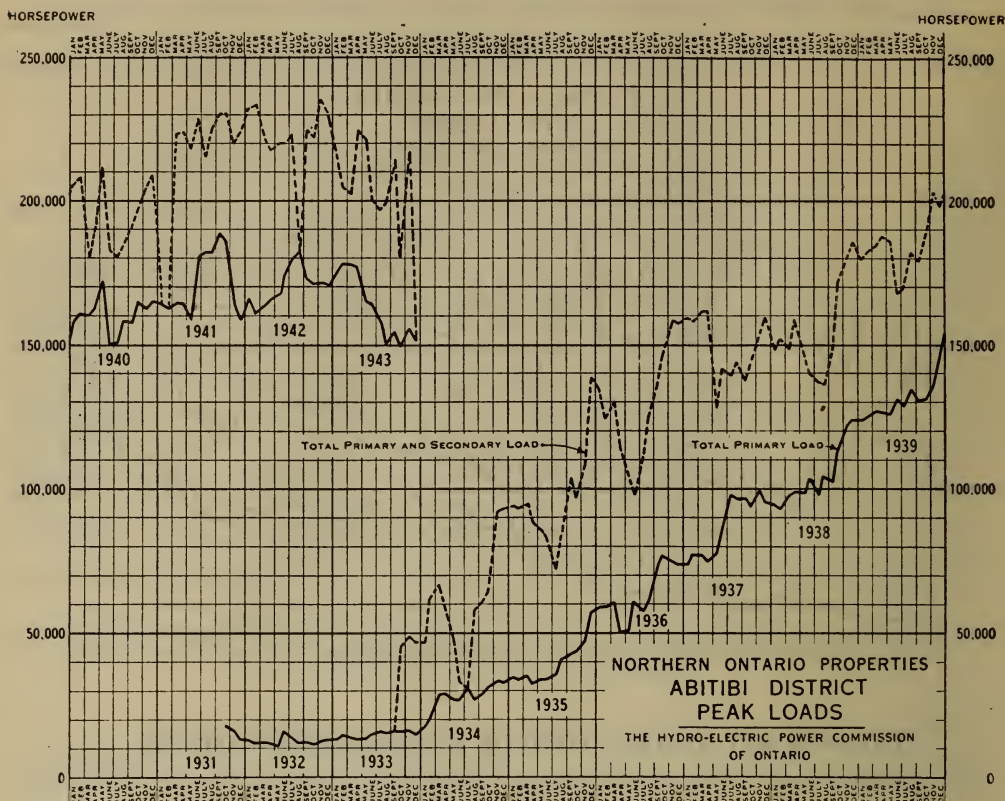


THUNDER BAY SYSTEM—LOAD OF MUNICIPALITIES—1942-1943

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Beardmore Townsite.....	78.9	84.6	.....	5.7
Fort William.....	17,402.8	18,071.0	.....	668.2
Geraldton Townsite.....	586.9	540.3	46.6	.....
Nipigon Twp.—Voted Area.....	238.6	251.9	.....	13.3
Port Arthur.....	22,425.1	23,656.1	.....	1,231.0

THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS—1942-1943

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
Nipigon.....	6.0	6.0	.....	.....
Thunder Bay.....	708.3	718.3	.....	10.0



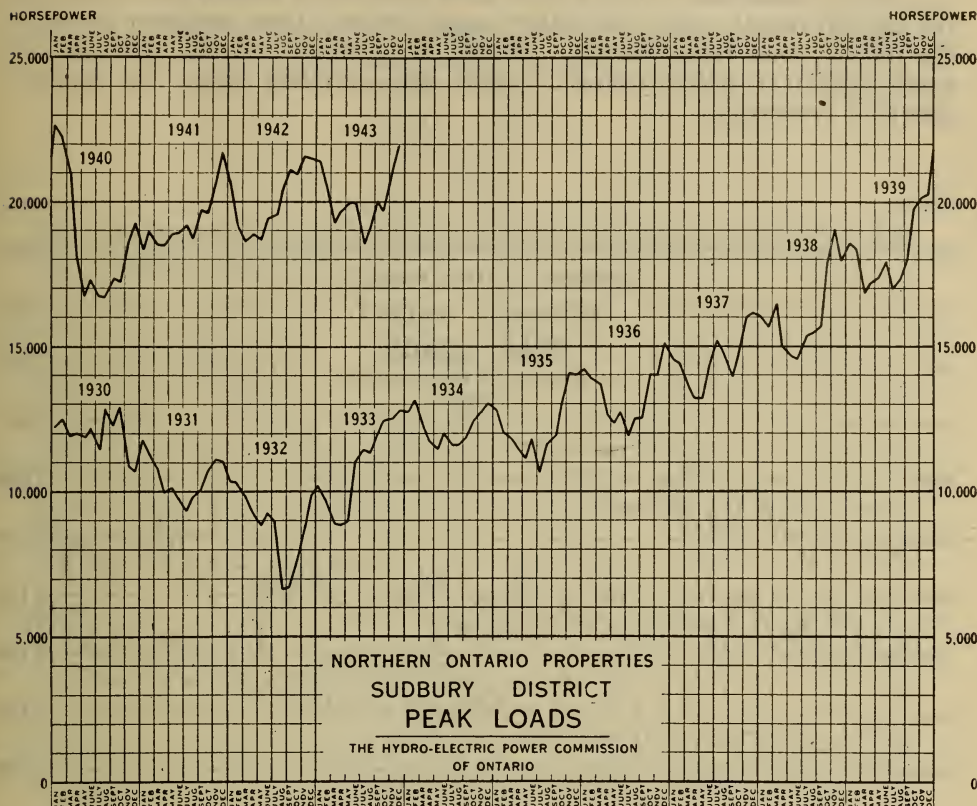
NORTHERN ONTARIO PROPERTIES

Abitibi District

During the year the demands for primary power in the Abitibi district were slightly lower than in the previous year. Both peak demands and the year's energy output for primary load receded about 2.5 per cent. The demands for the refining of nickel were greater but this increase was more than offset by the reduction in the power requirements of the gold mines.

River flow and water storage conditions, while being subnormal this year, permitted the generation of some 134,000,000 kilowatt-hours in excess of the primary load. This excess energy, which was delivered to the electric boilers at the paper mills of the Abitibi Power and Paper Company, represents about 13.0 per cent of the year's output of the Canyon plant.

Operation of the Canyon generating station, all transmission lines and transformer stations, was in general satisfactory throughout the year. The dismantling of No. 3 unit at the Canyon generating station and its shipment to the new 25-cycle development at DeCew Falls, was completed early in the year.



Sudbury District

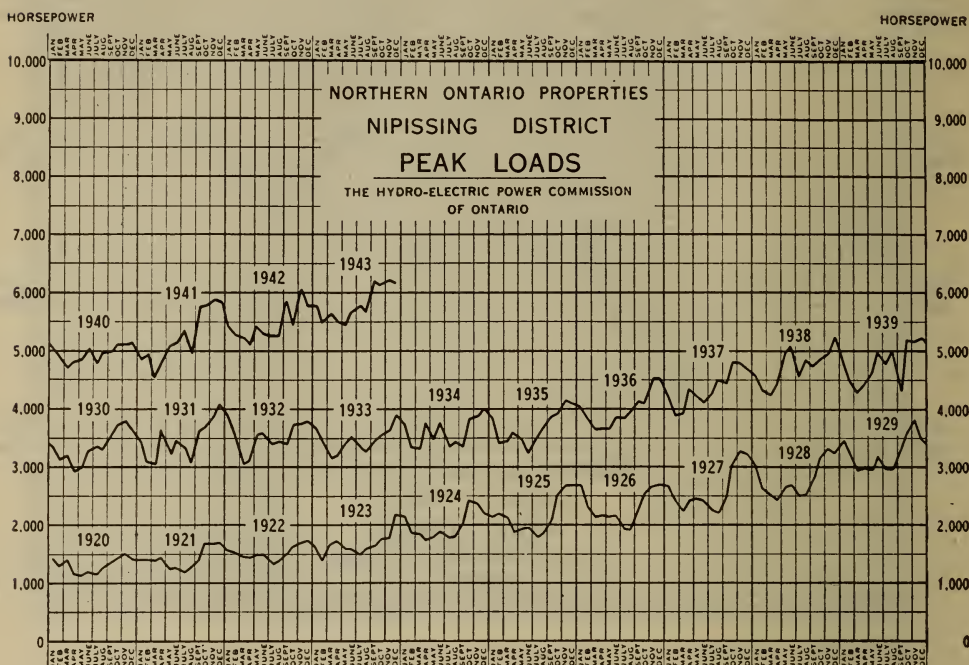
The primary peak and the year's energy demands in the Sudbury district were practically the same as in the previous year. No secondary or surplus energy was distributed in this district.

Water conditions were about normal in the Sudbury district throughout the year. The purchase of power from the Abitibi Power and Paper Company, under arrangements made in the summer of 1942, was discontinued at the end of March 1943. This purchase was a measure taken to conserve water storage in anticipation of an increase in the Sudbury district load.

Nipissing District

Both the Nipissing district peak load and year's energy requirements exceeded that of the previous year by a little more than five per cent.

Water conditions in this district have been above normal but as has been the case in recent years, the water supply has not been sufficient to satisfy the district load requirements. During the current year the shortage was some 5,000,000 kilowatt-hours, which was supplied from the Sudbury district's resources.



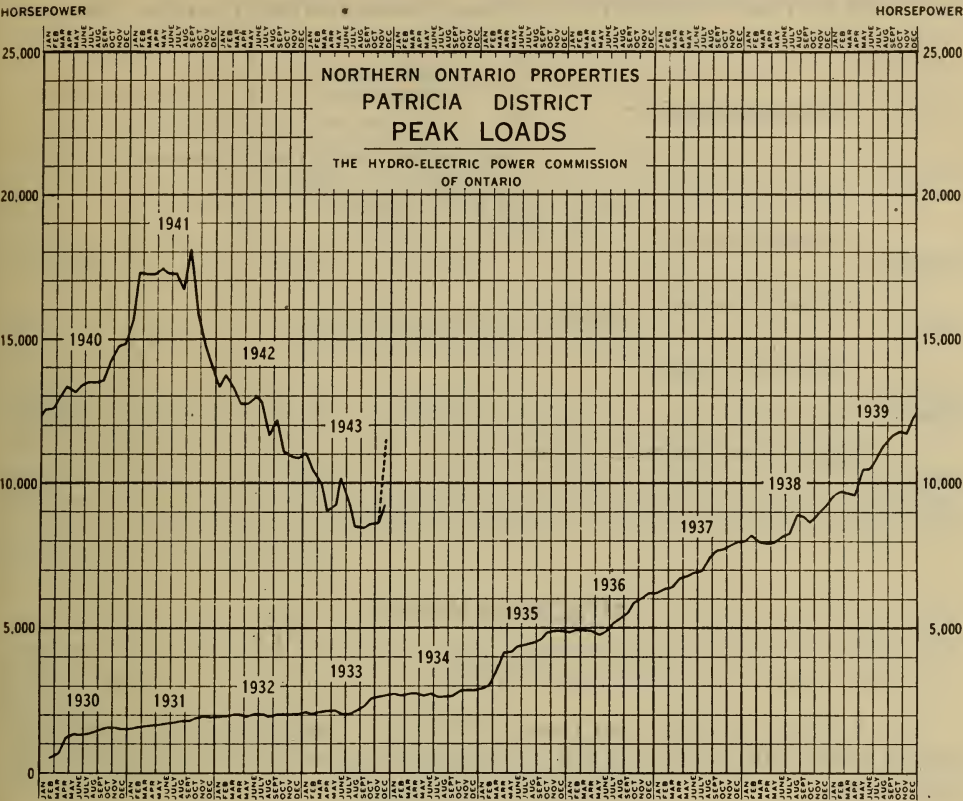
Manitoulin District

Throughout the year the operation of the Manitoulin district was normal and load changes from the previous year were insignificant.

Patricia District

Further recession in gold mining activities has resulted in reduced loads compared with the previous year. The Patricia district peak and year's energy demands were both about 25 per cent smaller.

Operation of the district was normal throughout the year except that after June 25, the Rat Rapids generating station was operated intermittently because of staff reduction.



NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES—1942-1943

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
ABITIBI DISTRICT				
Hislop Townsite.....	45.3	36.7	8.6	
Kearns Townsite.....	134.0	125.7	8.3	
King Kirkland Townsite.....	27.7	30.3		2.6
Matachewan Townsite.....	188.3	151.1	37.2	
Mooretown.....	43.4	42.9	0.5	
Ramore-Matheson.....	129.9	137.5		7.6
SUDBURY DISTRICT				
Capreol.....	228.5	264.2		35.7
Sudbury.....	9,865.9	10,186.3		320.4
NIPISSING DISTRICT				
Callander.....	111.1	89.7	21.4	
Nipissing.....	3.0	3.0		
North Bay.....	4,459.4	4,913.3		453.9
Powassan.....	131.5	116.6	14.9	
PATRICIA DISTRICT				
Cottage Cove.....	57.6	56.3	1.3	
Hudson.....	67.1	70.2		3.1
Red Lake Townsite.....	129.9	126.3	3.6	
Sioux Lookout.....	328.4	313.9	14.5	

NORTHERN ONTARIO PROPERTIES—RURAL POWER DISTRICT LOADS—1942-1943

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1942	July to Dec., 1943	Decrease	Increase
ABITIBI DISTRICT				
Connaught	398.1	651.2	.....	253.1
SUDBURY DISTRICT				
Sudbury	723.6	720.8	2.8	.....
NIPISSING DISTRICT				
North Bay	538.8	644.4	.....	105.6
Powassan	84.0	94.3	.....	10.3
MANITOULIN DISTRICT				
Manitoulin	497.3	579.1	.....	81.8

MISCELLANEOUS

Forestry

The Forestry division continued its regular transmission and rural line clearing operations to protect the Commission's plant and service from tree interference.

The year's maintenance operations involved treatment of 84,590 trees and 910 pole spans of underbrush spread over 3,029 miles of power transmission, telephone and rural distribution lines.

Line clearing operations were performed for seventeen municipal Hydro systems in the Niagara, Georgian Bay and Eastern Ontario systems. This work involved treatment of 7,213 trees spread over 103 miles of local primary and secondary lines. These figures show an increase in the number of municipalities served and volume of work performed.

SECTION III

MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists municipal officials to purchase, construct or extend distribution systems. As provided under The Power Commission Act, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission, on behalf of the township corporations, operates the rural power systems and distributes electrical energy to the customers of the respective corporations in all such rural power districts. Consult Section IV of Report.

NIAGARA SYSTEM*

The expansion of the Commission's facilities, which was undertaken in 1941 and 1942, has been largely completed and towards the end of the year the DeCew Falls generating plant of 65,000 horsepower capacity, came into operation. This added capacity was made available to supply increased demands for war industries.

Load conditions on this system did not maintain the phenomenal rate of growth which occurred in 1941 and 1942, but power for war industries did increase to such an extent that the Commission's generating and purchased-power capacity was completely used.

During the year, the controls instituted by the Dominion Power Controller were maintained, with the result that a large block of power, formerly used by commercial-lighting customers and to some extent by domestic consumers, who voluntarily curtailed their use of energy, was made available for war industries.

The total average load sold to all customers, including war industries, was approximately the same as in 1942. Loads in urban municipalities indicated a small decrease and in rural power districts a small increase. However, the amount delivered by the Commission directly to war industries was increased.

*Consult in Chairman's Introduction references to amalgamation of southern Ontario systems.

Engineering Assistance to Municipalities

General engineering assistance was given to nearly all municipalities of the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

Aylmer—Due to the proposed widening of the eastern portion of the main street, plans are under way to remove the poles and wires and run them in the lanes at the rear.

Aurora—The ratepayers recorded an affirmation vote at the municipal elections, to Aurora becoming a Hydro municipality and receiving power from the Commission at cost.

Baden—An additional power bank of three 50-kv-a transformers was installed to provide for an increased power load.

Beachville—Changes to the distribution system were made in order to improve the service and also to serve to better advantage the new larger substation of an industrial power customer.

Bolton—An increased supply of power was delivered to two manufacturers of war supplies.

Brantford—To serve increased war loads, the Brantford Commission found it necessary to increase substation capacity to the extent of one 3,000-kv-a transformer.

Chatham—Some of the oldest lines of the local distribution system were rebuilt with thirty-five foot western cedar, butt-treated poles and larger copper conductors.

Exeter—A building on the main street has been purchased and is being remodelled to provide adequate accommodation for the Utility.

Galt—The installation of high-frequency equipment for the control, during peak periods, of the flat-rate water-heater load was completed.

Hamilton—During the year the city annexed a portion of the township of Saltfleet in which approximately 1,100 rural consumers were served. The lines and equipment serving these customers were purchased and incorporated with the distribution network of the Hamilton Hydro-Electric Commission.

Ingersoll—Static condensers were installed by two large war industries in order to save line and step-down transformer capacities.

Oakville—Estimates were made in connection with supplying 25-cycle power to a company for the manufacture of material for the armed services. Work on this project is expected to proceed early in the coming year.

St. Catharines—The city supplied increased load to several concerns working on war orders.

Wallaceburg—Plans have been made to serve a large canning company, which anticipates an initial load of 400 kilowatts and an ultimate load of about 1,200 kilowatts. This load may be supplied by an extension of the local distribution system at 4,000 volts, or an alternative proposal contemplates a second station to supply the large industrial loads in the southern portion of the municipality.

Windsor—A new substation at Wyandotte and Crawford streets—6,000-kv-a. capacity, with provision for an additional capacity of 3,000 kv-a.—was placed in operation. The load taken up by this substation was in the residential area formerly supplied from the substation at Erie and McDougall streets.

GEORGIAN BAY SYSTEM

In 1943 this system embraced sixty-four urban municipalities and twenty-two rural power districts. The trend of the local loads is indicated by the fact that increases in the peak load were recorded in forty-one urban municipalities and in all but three of the rural power districts.

Power for the Georgian Bay system is supplied from twelve hydro-electric generating plants and a frequency-changer station through which 25-cycle power is obtained from the Niagara system and transformed to 60-cycle power for the Georgian Bay system.

The maximum dependable generating plant capacity inclusive of the frequency-changer is 58,250 horsepower. No increased capacity was added during 1943 and no additional transmission lines were constructed. The transformer stations at Meaford and Thornton were enlarged to provide for increased loads.

The aggregate average load supplied by the Commission to the cost contract municipalities comprised in this system was 32,299 horsepower, an increase of 1.3 per cent. It is of interest to note that due to the large summer resort load throughout the area served by the Georgian Bay system the maximum peak load for this system usually occurs in the summer with a smaller peak about the month of December.

There was a substantial increase in the load supplied to war industries in 1943.

Engineering Assistance to Municipalities

General engineering assistance was given to all urban municipalities of the system respecting the operation and management of their local hydro utilities.

EASTERN ONTARIO SYSTEM

In 1943 this system embraced sixty urban municipalities and twenty-seven rural power districts. The trend of the local loads is indicated by the fact that increases in the peak load were recorded in forty-six urban municipalities and in fifteen of the rural power districts.

The aggregate increase was substantial notwithstanding the fact that the Dominion Power Controller's restrictions continued in effect throughout the year and the establishment of new industries is closely controlled.

The Barrett Chute power development with its rated capacity of 54,000 horsepower and the additional storage provided by the Bark Lake dam, both of which were provided in 1942, enabled the Commission to carry the increased loads and supply power on occasions to the Niagara system. No important changes were made during 1943 to the capacity of the Commission's lines and local transformer stations which had been adequately strengthened during the previous year.

At the end of December 1942 one of the worst ice storms in the Commission's history occurred in an area extending approximately from Brockville to Cornwall and north to the Quebec boundary including the Ottawa area. Transmission lines and rural distribution systems were torn down by the weight of the ice and much damage was done. Some towns and parts of rural districts were without power for more than a month. Large gangs of men and trucks were brought in from many parts of the Province in order to effect repairs as soon as possible.

Engineering Assistance to Municipalities

Engineering assistance was given to municipalities in connection with the operation and management of their local hydro utilities. Certain municipalities received special advice and assistance regarding matters referred to below.

Kingston—The Public Utilities Commission has completed a new substation to serve the growing load in the west end of the city. This station has at present one 3-phase, 3,000-kv-a transformer, with provision for adding another of the same size.

Oshawa—New power feeders are planned to provide duplicate service to all major industries in the southern part of the city. These changes will improve voltage conditions and provide stability of service. The purchase of the local transformer station is also being considered by the Oshawa Commission.

THUNDER BAY SYSTEM

The Thunder Bay system comprises the cities of Fort William and Port Arthur, a voted area in Nipigon township and two rural power districts.

As contrasted with the cooperative systems in southern Ontario a much larger proportion of the service supplied by the Thunder Bay system is utilized by large industries including the pulp and paper industry and the grain trade, and in gold mining areas where mines and their associated town-sites are supplied.

In 1943 all industrial loads were affected by war conditions. The grain movement and gold mining operations were somewhat curtailed but the pulp and paper industry, although also affected by war conditions, somewhat increased its power demands. The municipal loads were increased substantially.

The two major events which affected the Thunder Bay system in 1943 were the completion and placing in operation of the Ogoki diversion and the development of the Steep Rock iron mine. This mine is served through the newly created Rainy River district of the Northern Ontario Properties and its total power requirements will be purchased from the Thunder Bay system and supplied by the Nipigon River developments.

The additional flow on the Nipigon river obtained as a result of the Ogoki diversion will enable power plants on that river to operate at close continuous capacity output. This condition is very advantageous for supplying the high load factor loads characteristic of the pulp and paper and mining industries, the demands for which as above noted predominate on this system.

Engineering Assistance to Municipalities

Engineering assistance concerning local operating and management problems was given to the Port Arthur, Fort William and Nipigon village commissions, and all the operating mines in the district were visited periodically for the purpose of rendering assistance in power supply problems.

NORTHERN ONTARIO PROPERTIES

During 1943 a new district to be known as the Rainy River district was added to the Abitibi, Sudbury, Nipissing and Patricia districts constituting the Northern Ontario Properties which the Commission administers in trust for the Province.

Power for the four districts is supplied from ten hydro-electric generating plants having a combined maximum normal plant capacity of 288,300 horsepower. Power for the Rainy River district is supplied by the Thunder Bay system. For Manitoulin rural power district, which also forms part of the Northern Ontario Properties, power is purchased from a local source.

During 1943 the Northern Ontario Properties served sixteen municipalities and five rural power districts; increases in municipal peak loads were recorded in six, those in Sudbury and North Bay being 3.2 and 10.2 per cent respectively. Four of the five rural power districts recorded substantial increases. The chief customers in the districts of northern Ontario are, of course, the mining companies. At the end of 1943 there were 32 mines receiving Hydro service, a reduction of 5 from 1942. The aggregate average

load for all districts for the year was 196.577 horsepower, a decrease of 2.8 per cent. The decrease was chiefly in the gold mines; demands of the mines whose main product is war metals again increased.

The newly formed Rainy River district includes the territory adjacent to the transmission line constructed to supply the Steep Rock iron mines. Contracts were executed with Steep Rock Iron Mines Limited, The Ontario-Minnesota Pulp and Paper Company Limited and Seine River Improvement Company to provide power for development work at the mine and later for operation; also for supplying replacement power to The Ontario-Minnesota Pulp and Paper Company which was needed because of the closing down of the company's Moose Lake generating plant to permit the diversion of Seine river and the pumping out of Steep Rock lake.

Conditions in the Manitoulin rural power district remained much the same as in the previous year. The average load was 464 horsepower.

Engineering assistance concerning power supply and management problems were given to all the cities and towns in the area served by the Northern Ontario Properties and all of the mining properties under contract for power supply by the Commission were visited by the Commission's engineers for similar purposes.

SECTION IV

RURAL ELECTRICAL SERVICE

IN ONTARIO

BECAUSE of the continued necessity for conserving construction materials for war purposes the Commission during 1943 was unable to undertake large rural extensions. Near the end of the year 1941, most rural construction closed down except where service was required in connection with war industries. On March 30, 1943, the Metals Controller for Canada, released material for the construction of short lines up to 600 feet of circuit to serve primary producers of foodstuffs, where electrical service would increase the production of foodstuffs in short supply, or prevent the serious diminution of such production. On October 28, 1943, the permissible extension was increased from 600 to 1,000 feet of circuit.

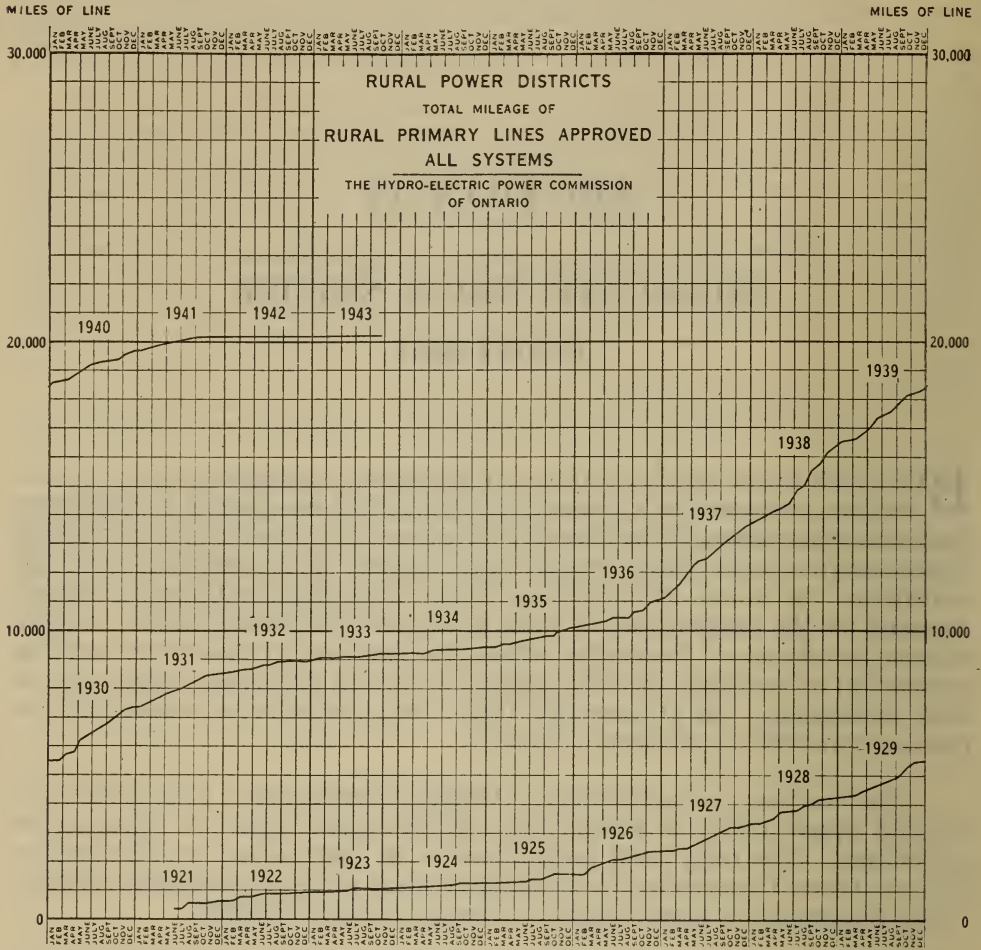
The land area of the Province of Ontario extends over a vast territory of 363,282 square miles, of which about 35,700 square miles are occupied for agriculture. The total rural population in the area served by The Hydro-Electric Power Commission, or in adjacent areas within transmission distance of the Commission's power supply, is approximately 1,100,000.

In 1943 there were 120 operating rural power districts, and power was delivered to approximately 136,341 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 434 organized townships; 23 unorganized townships and 121 police villages, villages and small towns and are served over a network of rural primary lines which aggregate 20,119 miles. In addition to the 457 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

During the past year the mileage of rural-line extensions, approved for construction in rural power districts in Ontario, was 45. The total number of consumers added after allowance for cancellations was 2,025. During the year 1,092 rural consumers were annexed by an urban municipality.

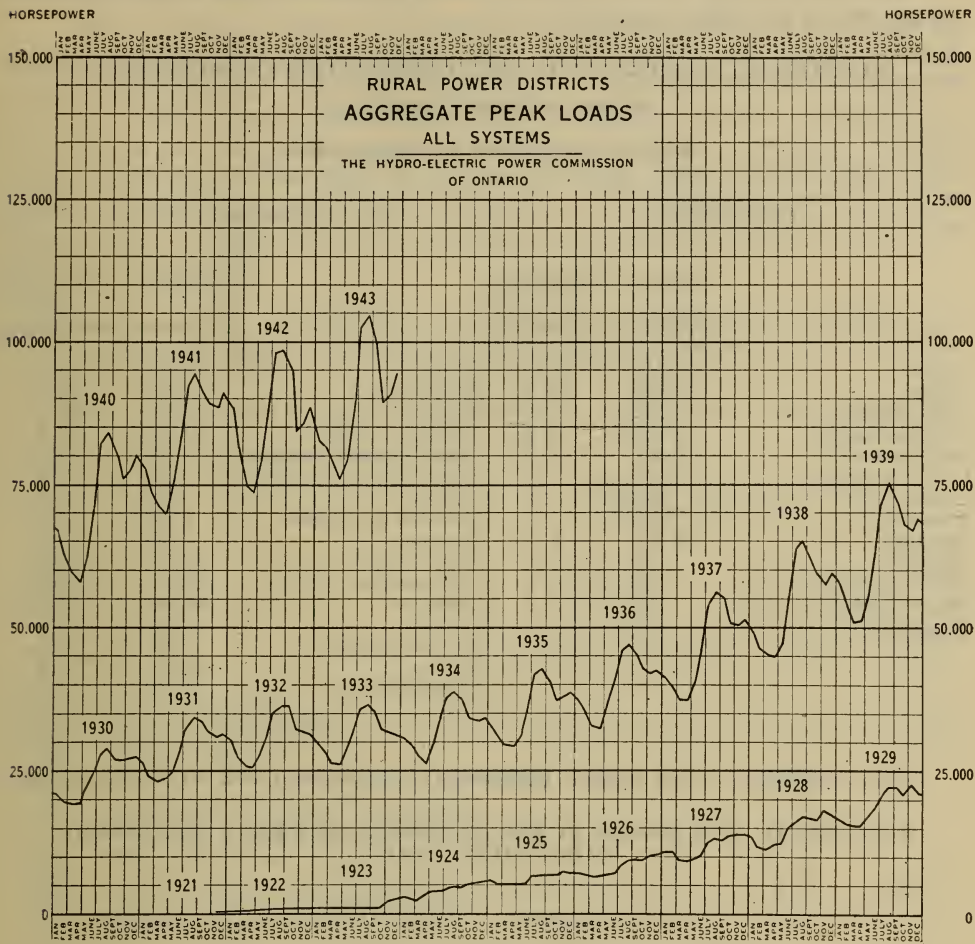
The average aggregate peak load* supplied to all rural Hydro consumers, including war industries in rural areas in the Province, amounted to 88,186

*Average aggregate peak load is the summation of the twelve monthly peak loads for each and all rural power districts, divided by twelve.



horsepower, an increase of 1.9 per cent over 1942. The delivery of power was reduced during the winter months, due to restrictions imposed by the Dominion Power Controller, and to voluntary economies by consumers.

Census data indicate that there are approximately 200,000 farms in Ontario, varying from one acre to six hundred acres, or larger. It would be erroneous, however, to conclude that hydro-electric service will eventually extend to such a number of farms. Approximately ten per cent of these are very small, and service to them, if available, is supplied by the Commission under rates applicable to non-farm classes. There are also large numbers of farms jointly owned and tenanted, some having no residential buildings on them, and there are also a large number situated in remote districts out of reach of Hydro lines and stations.



During the period that the regulations respecting service to rural consumers required a minimum of three farm contracts per mile of primary line, the Commission made surveys in various parts of the Province and estimated that approximately 75,000 standard or large farms would comprise the probable ultimate total of farms that could be served on this basis. Since that time new regulations have been made permitting service on the basis of two farms per mile, which necessarily has increased the number of additional farms that may be served.

Due to war conditions and regulations, the construction of rural primary lines during the coming year will be limited to war industries or to primary food producers for increase in foodstuffs, which are in short supply, all of which are regulated by Dominion Metals Controller.

Recent estimates of the major electrical appliances used in rural districts are set out in the following table:

**ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN
RURAL POWER DISTRICTS**

Data for all systems for the year 1942

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor.....	11,240	18.0	Range.....	11,688	18.7
Pump.....	10,186	16.3	Hot plates.....	14,921	23.9
Grain grinder.....	4,293	6.9	Washers.....	40,014	64.2
Milking machine.....	3,920	6.3	Vacuum cleaners.....	10,651	17.1
Milk cooler.....	1,517	2.4	Water heaters, flat rate.....	2,739	4.4
Cream separator.....	5,302	8.5	Water heaters, metered.....	1,481	2.4
Churn.....	656	1.1	Grates.....	539	0.9
Incubator.....	828	1.3	Portable air heaters.....	4,970	7.9
Brooder.....	1,550	2.5	Ironers.....	938	1.5
Hot bed.....	56	0.1	Hand irons.....	50,314	80.7
Water heater, flat rate.....	181	0.3	Refrigerators.....	10,913	17.5
Water heated, metered.....	113	0.2	Toasters.....	35,465	56.9
Miscellaneous.....	861	1.4	Radios.....	49,747	79.8
			Furnace blowers.....	1,393	2.2
			Pumps.....	10,480	16.8
			Miscellaneous.....	2,276	3.6

The following table makes comparison between rural and urban use:

**ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL
CONSUMERS—1942**

Electrical appliances	R.P.D. Hamlet		R.P.D. Farm		Urban	
	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation	Number of appliances	Percentage of appliances
Ranges.....	7,243	13.4	11,688	18.7	166,498	29.7
Hot plate.....	13,524	25.0	14,921	23.9	91,260	16.3
Washer.....	28,270	52.2	40,014	64.2	359,428	64.0
Vacuum cleaner.....	9,730	18.0	10,651	17.1	270,067	48.1
Water heater, flat rate.....	2,408	4.4	2,739	4.4	75,241	13.4
Water heater, metered.....	1,303	2.4	1,481	2.4	75,321	13.4
Grate.....	420	0.8	539	0.9	50,619	9.0
Air heater.....	3,992	7.4	4,970	7.9	62,383	11.1
Ironers.....	914	1.7	938	1.5	19,685	3.5
Irons.....	41,751	77.0	50,314	80.7	561,912	100.1
Refrigerators.....	10,184	18.8	10,913	17.5	218,922	39.0
Toasters.....	29,240	53.9	35,465	56.9	439,971	78.4
Radio.....	42,033	77.5	49,747	79.8	577,309	102.8
Furnace blower.....	1,269	2.3	1,393	2.2	62,338	11.1
Grills.....					126,650	22.6
Pump.....	7,112	13.1	10,480	16.8		
Air-conditioner.....					10,202	1.8
Miscellaneous.....	2,532	4.7	2,276	3.6		

Standard Number of Consumers per Mile

Effective May 1, 1938, the Commission received authority by Order-in-Council to construct rural primary lines on a basis of two farms per mile under existing rates. This new basis does not include service to summer cottages, which remains on the previous basis of contracts equivalent to three farms per mile. The standard number of consumers required per mile varies according to the class of service rendered. For this purpose a unit rating is allocated to each class of consumer. A total of ten units per mile made up by various classes of consumers is required before construction work is undertaken.

Note: As previously indicated, no construction is being undertaken except to or because of war industries or for increased production of foodstuffs.

The following table shows the number of units for each class of service:

Class of Consumer	Service	Units per class applicable to number per mile—May 1, 1938			
		A—Regular rural consumers		B—Summer cottage consumers	
		Units per contract	Contracts per mile	Units per contract	Contracts per mile
1B	Hamlet lighting.....	2.25	4.4	1.5	6.7
1C	Hamlet lighting (range).....	3.75	2.7	2.5	4
2A	House lighting.....	1.9	5.3	1.25	8
2B	Small farm service (50 acres or less)...	3.5	2.9	2.35	4.3
3	Light farm service (over 50 acres)...	5	2	3.35	3
4	Medium farm service (single phase)...	5	2	3.35	3
5	Medium farm service (three-phase)...	5	2	3.35	3
6A	Heavy farm service (single-phase)...	5	2	3.35	3
6B	Heavy farm service (three-phase)...	5	2	3.35	3
7A	Special farm service (single-phase)...	5	2	3.35	3
7B	Special farm service (three-phase)...	5	2	3.35	3

Cabin Service

Arrangements were made during 1940 to provide the Commission's rural customers with electric service to cabins at special rates, which call for a service charge of 30 cents gross per cabin per month and five kilowatt-hours extra per cabin per month to be added to the first kilowatt-hour block. The rates are subject to the usual ten per cent discount for prompt payment. This cabin service is supplementary to the regular supply contract and applies to the months of June, July, August and September of each year.

Maximum Consumption Charge

The Commission has found that the maximum economic limit of the first domestic use through the rural power districts of the Province is 6 cents per kilowatt-hour. In all rural power districts the first consumption rate is fixed at a maximum of 6 cents per kilowatt-hour. The second rate has a maximum of 2 cents per kilowatt-hour which applies to all districts. These circumstances continued through 1943.

Low Third Consumption Rate for Long-hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long-hour users of power. This low rate particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a maximum of 6 cents per kilowatt-hour, and the kilowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates, at the end of this section, is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate. The classification of services for rural power districts is given on page 47.

During the year, studies were commenced for the purpose of adjusting rural rates throughout all rural power districts and a new rate structure will be introduced in 1944. Consult statement on pages xi and xii of Chairman's letter of transmittal.

Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1942 are indicated in the following tables:

HAMLET AND HOUSE LIGHTING SERVICE

Classes 1B, 1C and 2A

	Annual Revenue	Kilowatt- hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consump- tion— kw-hr.
	\$ c.			cents	\$ c.	
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,638	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.36	78.3
1940	1,812,550.53	60,839,240	62,973	2.98	2.40	80.5
1941	1,995,468.46	67,587,082	67,939	2.95	2.45	82.9
1942	2,118,911.57	72,613,472	69,766	2.92	2.56	87.9

*See footnote to next table.

FARM SERVICE

Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Kilowatt- hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consump- tion— kw-hrs.
	\$ c.			cents	\$ c.	
1928	569,007.00	10,969,828	9,309	5.18	4.97	96
1929	777,736.00	16,022,842	12,605	4.85	5.85	121
1930	863,805.00	20,507,063	16,011	4.21	5.03	119
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	118
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	128
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141
1937	1,366,484.50	54,858,240	35,508	2.49†	3.57	144†
1938	1,711,788.81	67,886,882	44,565	2.52†	3.56	141†
1939	2,090,259.14	81,613,087	53,240	2.56†	3.56	139†
1940	2,405,092.40	93,859,719	58,728	2.56†	3.41	133†
1941	2,690,250.37	107,061,610	63,304	2.51	3.54	141
1942	2,870,300.31	116,448,363	63,748	2.46	3.75	152

*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, but do not include power or special contracts, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

†In the period 1937 to 1940, there was an increase in the **statistical average** revenue per kilowatt-hour and a decrease in the **statistical average** monthly consumption per consumer. Actually there was a great increase in the use of electricity by nearly all individual Hydro consumers and a corresponding decrease to each consumer in the average cost per kilowatt-hour. But due to the tremendous growth at this time in new consumers, who for the first few years are not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new consumers when averaged with the increased use of the older consumers produced **per consumer** averages which obscured the true trends of individual growth in use and individual reductions in costs.

Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

Owing to the necessity to conserve funds for war purposes this financing was discontinued on October 31, 1940. Up to that time 1,776 loans had been granted, amounting to \$360,852. Details are as given in previous Annual Reports.

To October 31, 1943, 1,628 loans had been repaid in full, either through the maturing of the loan or by being paid in advance by the borrower.

**RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING
THE YEAR 1943**

System	Miles of primary line	Net increase (decrease) in number of consumers			Power supplied in October 1943	Capital approved for extensions	
		Hamlet 1B & 1C	Farm etc.	Total		Total	Provincial grant-in-aid
Niagara	28.19	1,075	483	1,558	h.p. 63,724	\$ 260,622	\$ 130,311
Georgian Bay	4.04	(28)	15	(13)	7,014	21,336	10,568
Eastern Ontario	11.80	207	188	395	15,471	94,642	47,321
Thunder Bay		38	(10)	28	673	3,300	1,650
Northern Ontario Properties	0.50	51	6	57	1,996	6,858	3,429
Totals	44.53	1,343	682	2,025	88,878	386,758	193,279

SUMMARY OF RURAL LINE EXTENSIONS

Approved by the Commission from June 1, 1921 to October 31, 1943
Constructed or Under Construction

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet 1B & 1C	Farm etc.	Total	Total	Provincial grant-in-aid
Niagara	11,786.53	36,038	48,175	84,213	\$ 29,079,718.89	\$ 14,516,579.44
Georgian Bay	3,067.92	10,363	8,263	18,626	6,718,855.95	3,272,077.49
Eastern Ontario	4,643.38	14,151	14,406	28,557	11,074,731.31	5,537,365.65
Thunder Bay	288.98	543	882	1,425	624,479.00	312,239.50
Northern Ontario Properties	332.36	2,785	735	3,520	1,022,408.00	511,204.00
Totals	*20,119.17	63,880	72,461	136,341*	48,520,193.15	24,149,466.08

* These totals include 32.10 miles of primary line under construction on October 31, 1943 and service to 177 new consumers, not completed until after the end of the fiscal year.

During the year 1,092 rural consumers were annexed by an urban municipality and this group has been deducted from the total number of consumers.

In the rate tables on the following pages are listed the names of the rural power districts operated by the Commission on October 31, 1943.

CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting.....	1.32	1	110	20
1C	" ".....	2	1	220-110	35
2A	" ".....	1.32	1	110	20
2B	Small Farm Service.....	2	1	220-110	35
3	Light Farm Service.....	3	1	220-110	35
4	Medium Farm Service.....	5	1	220-110	50
5	" ".....	5	3	220-110	35
6A	Heavy Farm Service.....	9	1	220-110	100
6B	" ".....	9	1 and 3	220-110	60
7A	Special Farm Service.....	15	1	220-110	According to load
7B	" ".....	15	1 and 3	220-110	According to load

Class 1: Hamlet Service—Includes service to customers (other than farm and power users) in hamlets, where four or more consumers are served from one transformer. Service is given under two sub-classes as follows:

Class 1-B: Service to residences or stores, including use of portable appliances, and permanently installed appliances not exceeding 1,320 watts.

Class 1-C: Service to residences or stores with electric range or ordinary permanently installed appliances greater than 1,320 watts. Where a combination of residence and store can be supplied from one service, the combination is billed as a single Class 1-C consumer. Single or unusual loads will be treated specially.

Class 2-A: House Lighting—Includes service to all consumers other than farm and power users that cannot be grouped as in Class 1.

Class 2-B: Farm Service, Small—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 2 horsepower and electric range if motors and range are not used simultaneously, on a farm of fifty acres or less.

Class 3: Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 3 horsepower and electric range if motors and range are not used simultaneously.

Class 4: Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings power for miscellaneous small equipment, and power for single-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 5: Farm Service, Medium 3-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for 3-Phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

Class 6: Farm Service, Heavy—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

Class 7: Farm Service, Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

NOTE: Classes 2B to 7B are designed primarily to cover the service requirements of farmers. Consumers other than farmers who require a more comprehensive service with greater demand than is provided for in classes 1B, 1C and 2A may obtain this service upon payment of the specified service charge listed in the table of rates.

NOTE: Class 2B has been the service usually supplied to farms of fifty acres or less and Class 3 the service usually supplied to larger farms. More than 90 per cent of recent contracts for farm service are in one or other of these classes.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1943

Rural power district	Rural rates															Gross consumption charges per kilowatt-hour	Prompt payment discount on gross bill
	No. of kw-hrs. per month....	Class.....	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B				
														No. of kw-hrs. where first energy rate is	{less than 3 cts. 3 cts.... {3.1 to 4 cts.... 4.1 to 5 cts.... more than 5 cts.		
Property number	Miles of line	No. of consumers	Maximum gross monthly service charge to summer cottages. Where the rates are below these standards, they are indicated in each instance by †.														
			\$ c.	1.11	\$ c.	1.56	\$ c.	1.56	\$ c.	2.50	\$ c.	2.78	\$ c.	3.33			
Gross monthly service charge to regular consumers																	

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1943—Continued

Rural power district	Rural rates																	Prompt payment discount	
	Class	Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers												Gross consumption charges		
					1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First Second Rate for energy all-addi- rate† rate‡ tional			
																cents	cents		
NIAGARA SYSTEM—Continued																			
Essex.....	N15 D7	236.32	1,629	\$ c.	1.11	1.11	1.11	1.11	\$ c.	1.56	2.50	2.78	2.78	\$ c.	3.33	3.33	cents	%	
Exeter.....	N4 D6	148.01	1,139	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	
Forest.....	N18 D6	221.95	910	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Galt.....	N6 D2	54.08	556	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	
Goderich.....	N8 D2	194.24	1,011	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Guelph.....	N5 D3	173.38	1,013	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	
Haldimand.....	N2 D8	231.54	1,090	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	
Harrow.....	N15 D4	191.90	1,943	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	
Ingersoll.....	N10 D3	244.58	974	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	0.75	
Keswick.....	N35 D5	190.92	2,266	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	
Kingsville.....	N15 D5	198.66	2,246	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	
Listowel.....	N8 D8	329.21	1,297	+1.00	1.56	1.11	1.11	1.11	1.56	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	
London.....	N4 D2	248.01	3,299	0.90	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	
Lucan.....	N4 D5	170.15	535	+0.90	1.56	1.11	1.11	1.11	1.56	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Lynden.....	N2 D2	90.15	426	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	
Markham.....	N35 D1	295.56	3,330	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	
Merlin.....	N14 D15	289.72	1,300	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Milton.....	N13 D3	127.52	610	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	
Mitchell.....	N8 D7	125.62	600	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	
Niagara.....	N1 D1	206.94	2,741	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	
Norwich.....	N10 D1	173.03	916	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	
Oil Springs.....	N18 D3	192.33	677	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Preston.....	N6 D1	1,728	1,728	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.25	0.75	
Ridgetown.....	N14 D2	137.38	955	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	
St. Jacobs.....	N7 D2	104.25	574	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	

† Summer cottage rates.

‡ See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1943—Continued

Rural power district	Rural rates														Gross consumption charges			Prompt payment discount	
	Class.....	Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers														
					Gross monthly service charge to regular consumers										First energy rate†		Second energy rate‡		Rate for additional
					Gross monthly service charge to regular consumers										cents	cents	cents		
					1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	\$ c.	\$ c.		\$ c.
NIAGARA SYSTEM—Continued																			
St. Marys.....	N9 D1	217.77	884	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	5	2	0.75	10
St. Thomas.....	N11 D1	243.08	1,770	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Saltfleet.....	N17 D1	107.40	2,617	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Sandwich.....	N15 D1	164.80	3,883	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	1.5	0.75	10
Sarnia.....	N18 D4	133.89	2,128	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Seaforth.....	N8 D10	34.42	196	1.10	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Simcoe.....	N12 D6	148.83	1,020	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Stratford.....	N8 D4	60.94	346	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Strathroy.....	N4 D4	168.69	584	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Streetsville.....	N13 D1	135.52	762	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Tavistock.....	N8 D1	142.70	606	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Tillsonburg.....	N10 D4	206.27	1,269	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Wallaceburg.....	N14 D13	194.73	1,192	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Walsingham.....	N12 D7	463.55	2,552	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Walton.....	N8 D3	106.63	513	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Waterdown.....	N2 D3	95.96	1,408	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2.5	1	0.75	10
Welland.....	N1 D5	368.28	4,739	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Woodbridge.....	N16 D1	292.24	1,918	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	10
Woodstock.....	N10 D2	189.79	1,085	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	10

Total, Niagara System.....11,786.53 84,213

*See footnote on page 47.

†Summer cottage rates.

‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1943—Continued

Rural power district	Rural rates																			
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers														Gross consumption charges		Prompt payment discount
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Rate for all additional					
															energy rate†	rate‡				
GEORGIAN BAY SYSTEM																				
Alliston.....	GS32	D1	245.15	2,092	\$ 1.11	1.11	1.11	1.11	\$ c.	1.56	2.50	2.78	\$ c.	3.33	3.33	6	cents	0.75	%	
Bala.....	GB13	D1	108.46	684	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Barrie.....	G24	D1	177.32	1,259	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Baysville.....	GM10	D1	75.69	425	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Beaumaris.....	GM7	D1	98.78	678	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Beaverton.....	GW2	D1	61.98	609	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Bruce.....	GE19	D1	262.57	1,179	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Cannington.....	G36	D1	85.17	356	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Creemore.....	GW3	D2	154.38	650	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Gravenhurst.....	G17	D2	17.99	105	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Gravenhurst.....	G34	D1	17.99	105	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Hawkestone.....	GS9	D1	90.67	524	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10	
Holstein.....	GE7	D1	46.63	131	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Huntsville.....	GM2	D1	129.28	702	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Midland.....	GS1	D1	207.12	1,446	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Owen Sound.....	GE2	D1	55.93	278	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10	
Shelburne.....	GE10	D1	314.09	1,014	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6*	2	0.75	10	
Sparrow Lake.....	GW1	D1	80.86	719	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10	
Tara.....	GE15	D1	330.28	1,567	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Utterson.....	GM8	D1	65.25	374	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Uxbridge.....	GW11	D1	224.46	1,409	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	
Wasaga Beach.....	G17	D1	27.25	1,447	1.00	1.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.5	1.5	.....	10
Wroxeter.....	GE22	D1	208.61	978	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10	

Total, Georgian Bay System... 3,067.92 18,626

*See footnote on page 47.

†Summer cottage rates.

‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1943—Continued

Rural power district	Rural Rates																Prompt payment discount			
	Class	Miles of line	No. of consumers	Gross monthly service charge to regular consumers												Gross consumption charges		First energy rate†	Second Rate for all additional	
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	cents	cents				
																				Rate for rate†	ditional
EASTERN ONTARIO SYSTEM																				
Arnprior.....	QM10	D1	73.45	726	\$ 1.11	1.11	1.11	1.11	1.11	\$ 1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	cents 2	0.75	
Belleville.....	QC38	D1	158.72	1,223	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	1.5	0.75	
Bowmanville.....	QC23	D1	137.75	639	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Brighton.....	QC6	D1	44.63	192	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Brockville.....	QL3	D1	273.22	1,788	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Carleton Place.....	QH5	D1	52.72	184	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Cobourg.....	QC13	D1	309.85	1,548	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Fenelon Falls.....	QC30	D1	151.26	1,074	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Frankford.....	QC5	D1	255.11	1,212	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Kingston.....	QC44	D1	318.31	1,932	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Lakefield.....	QC18	D1	114.20	504	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Madoc.....	QC33	D1	62.71	207	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Marmora.....	QC47	D1	10.44	54	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Martintown.....	QL13	D1	424.76	2,049	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Millbrook.....	QC25	D1	54.59	256	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Minden.....	O37	D1	80.05	466	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Napanee.....	QC43	D1	291.20	1,351	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Nepean.....	QT1	D1	286.94	1,940	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	
Norwood.....	QC31	D1	56.93	282	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	
Omenee.....	QC26	D1	33.93	92	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	
Oshawa.....	QC24	D1	223.87	3,367	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.75	0.75	
Peterborough.....	QC20	D1	143.78	1,903	0.63	1.11	0.79	1.11	1.11	1.11	1.56	2.01	2.57	2.78	3.33	3.33	4	2	0.75	
Renfrew.....	QM16	D1	83.31	516	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	

† See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1943—Continued

Rural power district	Rural rates														Prompt payment discount		
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers												Gross consumption charges	
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B		First energy rate†	Second rate for additional
EASTERN ONTARIO SYSTEM—Continued																	
Smiths Falls.....	QH3	218.60	1,225	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents	cents	%
Sulphide.....	QC34	96.72	378	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75
Wellington.....	QC45	302.61	1,475	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75
Winchester.....	QL4	383.72	1,974	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	6	2	0.75

Total, Eastern Ontario System... 4,643.38 28,557.

*See footnote on page 45. †Summer cottage rates.

‡See heading to first page of table.

THUNDER BAY SYSTEM

Nipigon.....	P6	5.60	14	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Thunder Bay.....	P10	283.38	1,411	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Total, Thunder Bay system.....		288.98	1,425										2	2

NORTHERN ONTARIO PROPERTIES

Connaught.....	FA22	53.02	244	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Crystal Falls.....	FS7	.....	.....	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Kapuskasing.....	FA14	.....	.....	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Manitoulin.....	FM1	162.16	960	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
North Bay.....	FZ4	32.14	716	\$ 0.87	\$ 1.11	\$ 1.01	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.17	\$ 2.68	\$ 2.78	\$ 3.33	\$ 3.33
				\$ 0.87	\$ 1.38	\$ 1.01	\$ 1.38	\$ 1.44	\$ 1.56	\$ 2.17	\$ 2.68	\$ 2.78	\$ 3.33	\$ 3.33
Powassan.....	FZ8	56.34	199	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Rainy River.....	FR1	.....	.....	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Sudbury.....	FS5	28.70	1,401	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33
Teck.....	FA16	.....	.....	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33

Total, Northern Ontario Properties... 332.36 3,520.

*See footnote on page 47.

†Summer cottage rates.

‡See heading to first page of table.

Total, all systems: Miles of line, 20,119.17. Number of consumers, 136,341. These totals include 32.10 miles of primary line under construction on October 31, 1943, and service to 177 new consumers which was not completed at the end of the fiscal year.

SECTION V

PROMOTIONAL AND WAR SERVICES

DURING the year, promotional services were subordinated to the greater demand for war services of an essential and helpful nature. In general, the growing production of war equipment, the scarcity of materials and appliances, and the requirements of power for war industry, made it impossible to promote uses of electricity other than those of the most essential nature.

Following the practice of previous war years, every effort was made to assist industry in the efficient use of electric power. Participation in the "Bits and Pieces" program of the Dominion Government was continued and augmented, and the important problem of priorities in the obtaining of essential equipment and material for the Commission's use, was given concentrated attention.

Industrial Section

Technical assistance was rendered to approximately two hundred industrial consumers. This assistance included sixty-one plant surveys where reports were submitted to guide the consumer in re-arrangement of motors for better loading, and to suggest new uses for electric energy which would relieve labour shortage and increase production of war supplies. Conservation measures also were included in these services, and reports were made which led to the improvement of plant power-factor. During the year, approximately 5,000 kva in power-factor corrective equipment was installed by industrial consumers, thereby benefiting the capacity of the Commission's supply equipment by an amount equivalent to providing an additional 3,000 kva in generating capacity.

The Commission's maintenance shops, working in conjunction with the Public Utilities Wartime Workshop Board, produced in 1943 a total of 225,000 pieces or parts, aggregating \$115,000 in value. This production included the machining of studs for cargo boats, gun mount cradles for tank guns, machining of cylinders and crankshafts for marine engines, and the assembly of gear units for naval guns.

WATER POWER BUILDS FIGHTING SEA POWER

More ships in the order of the day. Transients to carry supplies all over the world. The biggest to combat lurking submarines and pirates.

One building in the end part of Ontario's seaport for building ships is a great amount of electricity generated by water power in the area.

The building of boats isn't all done in the shipyards. It goes on in the power plants. The Hydro-Electric Power Commission's power plants are the heart of the shipbuilding industry. They are the heart of the nation's defense. They are the heart of the nation's future.

At every place of construction of the nation's ships, the Hydro-Electric Power Commission's power is the heart of the shipbuilding industry. They are the heart of the nation's defense. They are the heart of the nation's future.

When the ship is built, it will be a fighting ship.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

WHEN YOU FLICK ON A SWITCH . . . what happens?

When you flick on a switch, each of the millions of lights, motors, and other electrical appliances in your home, office, and factory, are set to work. They are set to work by the power of the Hydro-Electric Power Commission of Ontario.

The power that flows from the switch is the power of the Hydro-Electric Power Commission of Ontario. It is the power that flows from the switch to the lights, motors, and other electrical appliances in your home, office, and factory.

The power that flows from the switch is the power of the Hydro-Electric Power Commission of Ontario. It is the power that flows from the switch to the lights, motors, and other electrical appliances in your home, office, and factory.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Power PACES ONTARIO'S WAR PRODUCTION

Hydro and Ontario's industries work side by side to produce the weapons of war.

The war of Ontario's industry, which means the war of Ontario's industry, is the war of Ontario's industry. It is the war of Ontario's industry. It is the war of Ontario's industry.

Power is the heart of the war production. It is the heart of the war production. It is the heart of the war production.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Hydro meets Nature's Challenge

Special Report: When Nature's Challenge is met by the Hydro-Electric Power Commission of Ontario, the result is a victory for the Hydro-Electric Power Commission of Ontario.

The Hydro-Electric Power Commission of Ontario is the Hydro-Electric Power Commission of Ontario. It is the Hydro-Electric Power Commission of Ontario. It is the Hydro-Electric Power Commission of Ontario.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

The LINE PATROL keeps Ontario's Power Flowing

The Line Patrol is the Line Patrol. It is the Line Patrol. It is the Line Patrol.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Domestic and Rural Activities

Since it was not possible, under existing war conditions, to proceed with promotional work for domestic and rural load, work was restricted to carrying forward the voluntary conservation programme inaugurated in the previous year. Looking forward to the post-war period, a certain amount of research and planning was carried out in anticipation of promotional programmes when the relaxation of war restrictions permit.

Lighting

The advisory service on lighting problems for war and essential industry was maintained throughout the year, and assistance was rendered to a large number of industries and essential projects on the efficient use of lighting for increased production, and other war services. Approximately seventy recommendations in detailed form were supplied, supplemented by others given in conference.

Advertising

The general advertising programme of the Commission was again devoted to encouraging conservation, and was supplemented with advertising carrying information of value to Hydro consumers. In addition, advertising copy and printed matter were prepared for and supplied to municipal Hydro utilities.

During the year, a sound motion picture in colour, entitled "The Romance of a River" was produced. This picture illustrated the Ogoki diversion project and associated it with the DeCew Falls power development. This film is now being shown extensively throughout the Province.

Sales of Lamps and Equipment

Sales of appliances and water heating equipment were made only for replacement and repair purposes, and therefore the volume was comparatively low. Hydro lamp sales increased during the year, due to increased purchases by industrial companies.

Priorities

Clearances of material and equipment required by the Commission, were effected, and all necessary supplies for maintenance, repairs and operation were secured. Further assistance was also rendered to municipal Hydro utilities in their priority problems.

SECTION VI

HYDRAULIC ENGINEERING AND CONSTRUCTION

TWO major projects were completed and brought into operation in 1943, and essential maintenance work and rehabilitation of operating equipment and structures was carried on. In the Niagara system,* the DeCew Falls Extension was completed and put into service on September 29, 1943; and in Northern Ontario, the Ogoki diversion was completed and officially opened on July 20, 1943. It is of interest to note that this diversion from the watershed of the Albany river into the Great Lakes system is utilized, in part, by the new DeCew Falls plant.

The construction of the Niagara river remedial weir was continued. Various other projects were carried out during the year in different sections of the Province for regulating and augmenting water storage, and for the maintenance of existing generating stations.

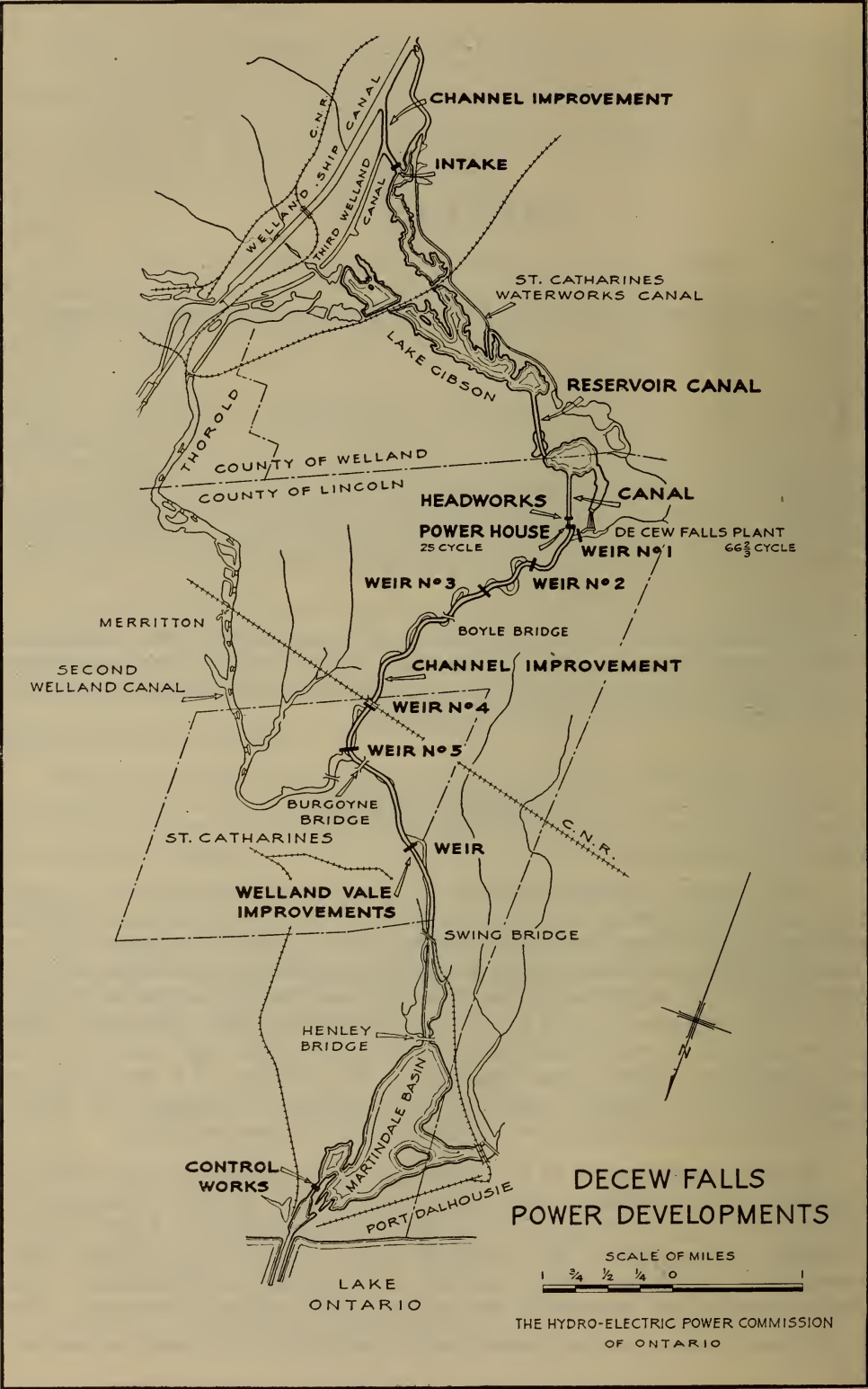
NIAGARA SYSTEM

DeCew Falls Development

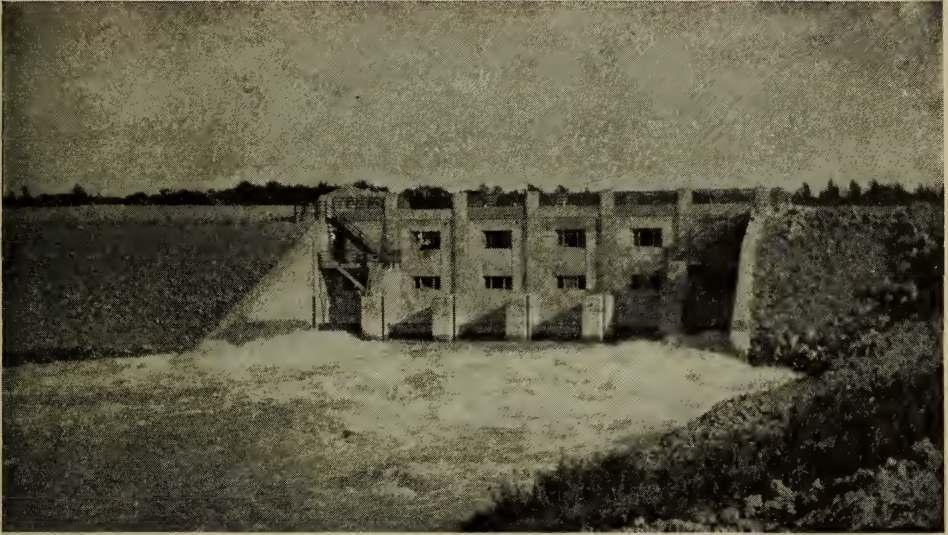
The decision to proceed with the DeCew Falls development was reached early in 1941, following an agreement between the Governments of Canada and the United States for the immediate use for power at Niagara falls by The Hydro-Electric Power Commission of additional waters equivalent in quantity to that which would be diverted from the James Bay watershed into the Great Lakes system by the Ogoki and Long Lake diversions. The power demands of war industries made it evident that the construction of new generating capacity was imperative. The location of a new plant at DeCew Falls was feasible, both from the viewpoint of economy and speed, and from the fact that many war industries were in close proximity.

Situated near the city of St. Catharines, with the power canal intake at Allanburg on the Welland ship canal and the outlet at Port Dalhousie on lake Ontario, the development traverses a district which is highly industrialized. Consequently, an unusually large number of problems were encountered involving public utilities and private establishments, and much attention has necessarily been given to that phase of the work. The

*Re amalgamation of Southern Ontario systems consult page xi in Chairman's introduction.



protection of private property, the reconstruction and new construction of bridges and roadways, and the relocation of all types of underground and overhead services were involved in this project.



DECEW FALLS POWER DEVELOPMENT
Intake structure from downstream side

The new intake structure is about one mile north of the old intake at Allanburg and is approximately one-quarter of a mile from the Welland ship canal. In the design of this intake, which is of sufficient capacity to pass not only the water for the new plant but also that which was formerly drawn through the old intake, use was made of an unfilled portion of the Third Welland canal, which at this point joins the ship canal at an acute angle. This circumstance made it possible to secure, at reasonable cost, an outlet from the ship canal with sufficient area to avoid a side draft which might make navigation difficult for passing vessels. By the enlargement of this disused navigation channel, the water was conveyed to within a few hundred feet of the artificial lake forming the head pond for the development, and a channel, in which were constructed on sound limestone foundations the intake control works, was cut through to the head pond.

The intake control works consist essentially of a series of piers with supporting wing walls, between which there are six tubes, each 7 feet in diameter. At the downstream end of each tube, an elbow, at 20 degrees with the horizontal, deflects the issuing jet upward from the channel bottom to prevent scouring action. Stop-log checks are provided at both the upstream and downstream ends of the tubes to enable dewatering when required for inspection and maintenance. The function of these tubes is to control and measure the amount of water which is drawn from the Welland ship canal.

Control of the flow is effected by means of a butterfly valve in each tube, four of which are motor operated. The measurement of discharge is accomplished by using each tube as a meter. One manometer tap is connected to the upstream face of the structure and another to the tube upstream from the butterfly valve. The pressure differential between these points is used to determine the flow.

Lake Gibson, into which water from the intake canal flows, forms the head pond of the development, and consists of two main pools connected by an excavated channel. This head pond has a capacity of approximately 1,600 acre feet between the operating elevations of 556 and 552.

From lake Gibson to the new head works, which is east of the old DeCew Falls gate house, a headrace canal 2,100 feet long and 40 feet wide was excavated in rock to a normal depth of 28 feet, which is sufficient to carry the flow for the present unit and one additional unit of the same capacity.



DECEW FALLS POWER DEVELOPMENT
Looking up nearly completed canal from headworks

The headworks, a concrete structure complete for two units, has racks and control gates installed for one unit. The deck of this structure and retaining walls adjoining it were carried to an elevation sufficient to provide for abnormal water levels due to surges in the headrace canal resulting from the sudden shut-down of the generating units. To protect against leakage from the canal between the various rock strata, the area along the cliff was pressure grouted with holes varying in depth from 10 to 150 feet for a distance of 300 feet on either side of the headworks.



DECEW FALLS POWER DEVELOPMENT
Rock fill weir in Twelve Mile creek under full flow

The steel penstock some 401 feet long from the headworks to the power house is 16 feet 8 inches outside diameter, is of rivetted construction throughout and is enclosed in a concrete envelope having a minimum thickness of 18 inches. See frontispiece.

The power house is of reinforced concrete with a superstructure of windowless design faced with cut stone. It provides support for a crane of 280 ton capacity for handling the equipment including the transformers. The later are installed in an outdoor station but are so arranged that they may be brought into the power house erection bay for maintenance and repairs.

The power house contains one 65,000 horsepower unit which operates under the available head of 265 feet the removable parts of which were transferred from the Abitibi Canyon development. The turbine unit; built by the Canadian Allis-Chalmers Company, is of the vertical Francis type, set in a steel plate scroll case and is controlled by an Allis-Chalmers oil pressure governor. It is directly connected to a Canadian General Electric generator with a rated capacity of 48,500 kva, at 13,800 volts, running at 150 r.p.m.

To provide emergency discharge capacity from the head pond into the tailrace, a nozzle has been provided on the steel plate turbine casing having a capacity of 2,000 cubic feet per second under normal head. This nozzle is equipped with a Howell-Bunger disperser valve, which will dissipate the energy in the issuing jet and thus prevent damage to the tailrace slopes.

In constructing the substructure for the present installation, a large amount of excavation for an additional unit was carried out. This included not only excavation for the power house substructure, but also the cliff excavation other than the slot for the second penstock. The downstream portion of the substructure for the second unit was also constructed, including

tailrace piers with stop-log checks, so that the area to be occupied by the second unit may easily be dewatered and the excavation and concrete work for this further installation carried out without the necessity of constructing a cofferdam.

A tailrace channel was excavated from the power house to Twelve Mile creek, a distance of some 300 feet. Here the discharge from the power house joins the flow of Twelve Mile creek, which includes the discharge from the old DeCew Falls power house. The combined discharges are carried in Twelve Mile creek for three miles to its junction with the Second Welland canal in the city of St. Catharines, follow this waterway to Martindale pond, and pass thence through the outlet works into Port Dalhousie harbour and lake Ontario. To accommodate this flow and to prevent excessive scouring, the course of Twelve Mile creek was enlarged and straightened.

Twelve Mile creek, in its course from the power house to its junction with the Second Welland canal, falls fifteen feet. This gradient, in the enlarged channel, would develop velocities dangerous to the bed and banks. Channel velocities were kept within permissible limits by constructing four weirs of loose rockfill, at each of which a portion of the fall was concentrated and its energy satisfactorily dissipated. A fifth weir was built in the channel between the old and new power houses to maintain suitable tailrace levels at the former.

From the confluence of Twelve Mile creek and the Second Welland canal to Welland Vale the channel was improved and enlarged and, where sufficient widening was not permissible, the banks were protected with rip rap. At Welland Vale, the former elevations were maintained by removing the disused lock No. 2 of the canal, enlarging the channel and constructing a rock filled timber crib weir therein with concrete wing walls to protect the banks from the high velocities. The weir has a fixed crest and is so designed



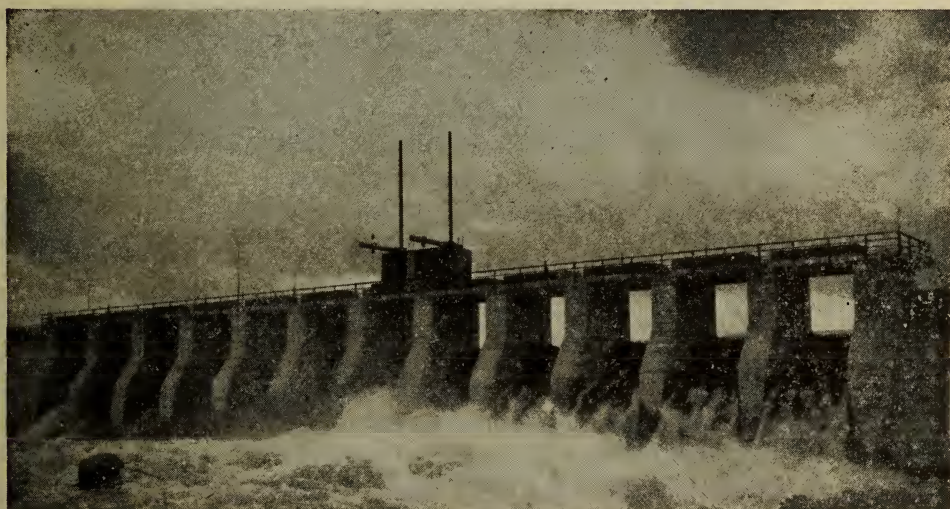
DECEW FALLS POWER DEVELOPMENT
Fixed weir in tailrace channel at Welland Vale

that, when a second unit is added to the plant, the crest can be lowered sufficiently to maintain the present elevation above the weir.

From Welland Vale to Martindale pond, a distance of one and one-half miles, the channel of the Second Welland canal was enlarged by dredging, and rip rap protection was placed where necessary at deflections and where the available area is somewhat restricted.

Martindale pond has an area of 425 acres and its elevation is maintained as required for navigation, by spillways at Port Dalhousie. To provide the additional capacity necessary to carry the increased flow a channel 700 feet long, with control structure and concrete highway bridge was constructed immediately to the east of the navigation channel and lock No. 1 of the Third Welland canal. The control structure contains four submerged sluiceways, designed to accommodate Taintor gates between concrete piers, with supporting gravity wing walls at each side of the channel. Two of these sluiceways are now equipped with motor operated Taintor gates, while the remaining two are closed with stop logs until further additions at the power plant require installation of control gates.

Active work on construction of roads, the establishment of camps and clearing of the site commenced in September 1941. Construction work on the various elements of the job was well co-ordinated and the plant was brought into service two years later, the generating unit carrying commercial load under test for the first time on September 29, 1943, and was formally opened on October 15.



OGOKI DIVERSION WORKS—NORTHERN ONTARIO
Flow through sluices of Waboose dam before diversion commenced

Ogoki River Diversion

The Ogoki river diversion, the construction of which began in November 1940 was completed and officially opened on July 20, 1943. The scheme contemplates the diversion of almost all of the flow from the Ogoki river above Waboose rapids from the Albany river watershed into lake Nipigon



OGOKI DIVERSION WORKS—NORTHERN ONTARIO
Canadian National 'Railways' bridge and channel, looking north

and the Great Lakes. It is estimated that the diverted waters, on the average, will amount to some 4,000 cubic feet per second.

At Waboose Rapids, on the Ogoki river, a concrete dam, 50 feet high, was constructed and this together with the Summit control dam and a number of earth fill side dams created a reservoir having an area of approximately 100 square miles. This reservoir extends southerly through Mojikit lake into a small lake known as North Summit lake. From North Summit lake, a channel was cut through a saddle in the height of land to permit the water to flow into South Summit lake and thence by way of a chain of connected lakes and the Jackfish river to lake Nipigon.

Waboose dam is, by far, the largest dam in the project, it is of concrete construction, with a total length of 1,700 feet. Twelve sluiceways, 23 feet high and 16 feet wide, separated by 6 foot piers, provide for the discharge of water which cannot be impounded or diverted southerly, and a spillway, 765 feet long, is provided to take care of flows that might cause the normal high water level of the reservoir to be exceeded.

The Summit control dam, constructed at the north end of South Summit lake, is a concrete dam about 23 feet high to the top of the deck, it contains eight 16 foot sluiceways, separated by 5 foot piers and a concrete bulkhead section at each end, making a total length of approximately 405 feet of concrete dam, beyond which was constructed at the south end 120 feet of earth fill with a concrete core wall.

In addition to the above two main dams, several earth-fill dams were required to close low areas around the reservoir. Two of these are east of and near Waboose dam and are known as auxiliary dams No. 1 and No. 2. They are compacted earth-fill dams, having a timber sheet piling core, with rock toes and a layer of gravel 24 inches thick over the compacted material. Snake creek dam, near the source of the creek of the same name, is $7\frac{1}{2}$ miles west of Mojikit lake, into which the creek flows. It provides protection at the time of high reservoir level against the possibility that some of the diverted water might pass westerly to Pikitiguchi river and pass down that channel



OGOKI DIVERSION WORKS—NORTHERN ONTARIO
Channel under Canadian National Railways' bridge at
Jackfish

to lake Nipigon. It consists of a gravel fill with a 6 inch timber sheet piling diaphragm. Chappais lake dam, a cut-off dam, is constructed of compacted clay and gravel. It provides against a break through at the height of land to the headwaters of Seymour creek.

At the point where the Jackfish river passes under the Canadian National railway, it was necessary to provide a stable channel, which would accommodate the greatly increased flow without endangering the railway. A channel, 50 feet wide, was excavated in rock to the left of the natural river bed, an earth fill placed to close the old channel, and extensive protection was given by placing heavy rip rap on the slopes. A new bridge was constructed with solid concrete abutments and concrete piers. The bridge is of plate girder design with steel towers varying in height from 30 feet to 70 feet. As a conservation measure, this bridge was constructed of steel salvaged from other bridges dismantled in recent years. The total length is approximately 800 feet and the spans vary in length from 69 feet to 99 feet.

As stated above, the diversion project came into service on July 20, 1943. The flow at first was limited to 1,000 cutic feet per second for initial observation of the behaviour of the channels and structures. It was gradually increased and at the end of October amounted to 5,000 cubic feet per second.



NIAGARA RIVER REMEDIAL WEIR

Large pieces of rock used in construction of weir. Cableway tower in background

Niagara River Remedial Weir

The construction of the remedial weir, in the Chippawa-Grass island pool of the Niagara river, continued. The weir is for the purpose of improving conditions for the generation of power in the present emergency and to raise the water level in the Chippawa-Grass island pool sufficiently to compensate for reductions in the level which were caused by the increased use of water for generation of power by both countries.

By an agreement made in October 1941 between the governments of Canada and the United States, additional diversions of water for the generation of power were authorized in each country. The situation made it even more necessary than it formerly had been to build compensating works for the maintenance of normal water levels and to overcome the detrimental effect of the increased diversions upon the appearance of the American falls.

Following joint preliminary study of the problem by Boards representing the United States and Canada, authority to proceed with the work was given in the spring of 1942. Design and construction of the weir are being supervised by a committee of four, two from each country and the task of constructing the weir itself was assigned to The Hydro-Electric Power Commission.

The weir consists of a loose rock fill, the major part consisting of masses varying in weight from 2 to 10 tons. These were placed from a cableway spanning the river from the Canadian shore to an artificial island about 2,200 feet upstream from Goat island. The construction of the island and the

causeway to give access to it was itself a job of some magnitude. The United States Engineer Office at Buffalo took charge of this part of the work.

The work commenced in April 1942, continued until March 1943, when it was discontinued because of conditions unfavourable to satisfactory progress. An examination of the weir in the summer of 1943 indicated that some improvement was possible in its design, and work proceeded accordingly. At the end of the fiscal year, the weir was approaching completion and the designed increase in water level had been attained.

Ottawa River Sites

Preliminary surveys and investigations for the development of the Des Joachims site on the Ottawa river were completed. Negotiations in respect to undeveloped power sites on the Ottawa river were continued.

GEORGIAN BAY SYSTEM

Eugenia Falls

The rehabilitation of the number two pipe line at Eugenia Falls development, which was commenced on September 3, 1942 was completed and the conduit restored to service on December 8, 1942. The work consisted mainly of the dismantling of the old pipe line; the ballasting and grading of the foundations, and the erection of approximately 2,800 feet of new wood-stave pipe.

South Falls

The foundations of the No. 1 wood stave pipe line at South Falls were stabilized with heavy rock fill.

EASTERN ONTARIO SYSTEM

Bark Lake Dam

The moving to higher ground of the buildings in the village of Madawaska, which were flooded by the Bark Lake dam, was completed.

Sufficient rip rap was placed on the downstream face of the earth dam to trim the surface to a uniform grade and protect against scour, and gravel was placed on the top of the dam to form a crown at the designed elevation. A description of Bark Lake dam was given in the 1942 Annual Report.

High Falls

The wood-stave pipe line at High Falls was dismantled and is being replaced by a new wood stave pipe. This wood-stave pipe is 10 feet in diameter and 313 feet long. The pipe line was dismantled in October and the new pipe line was scheduled to be in service on November 20, 1943.

NORTHERN ONTARIO PROPERTIES

Dasserat Lake Diversion

The Dasserat Lake diversion, in the Abitibi district, was completed, thus rediverting these waters into the Abitibi river watershed, which was their normal course before lumbering interests diverted the water into the Ottawa river.

SECTION VII

ELECTRICAL ENGINEERING AND CONSTRUCTION

CONSTRUCTION work during 1943 was not as extensive as in preceding war years, the major plant additions and changes necessitated by the demands of war industry and military installations now being mostly in service or in advanced stages of completion. Details of some of the more important work in course of construction, or completed during the year, are given under the various system headings. In addition to these larger items, considerable minor work was also carried out.

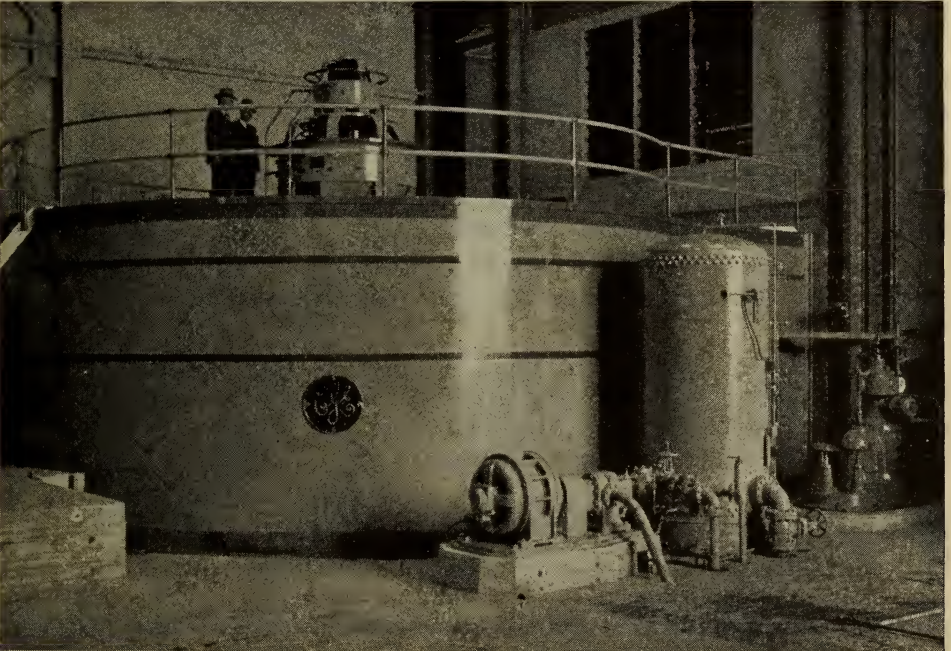
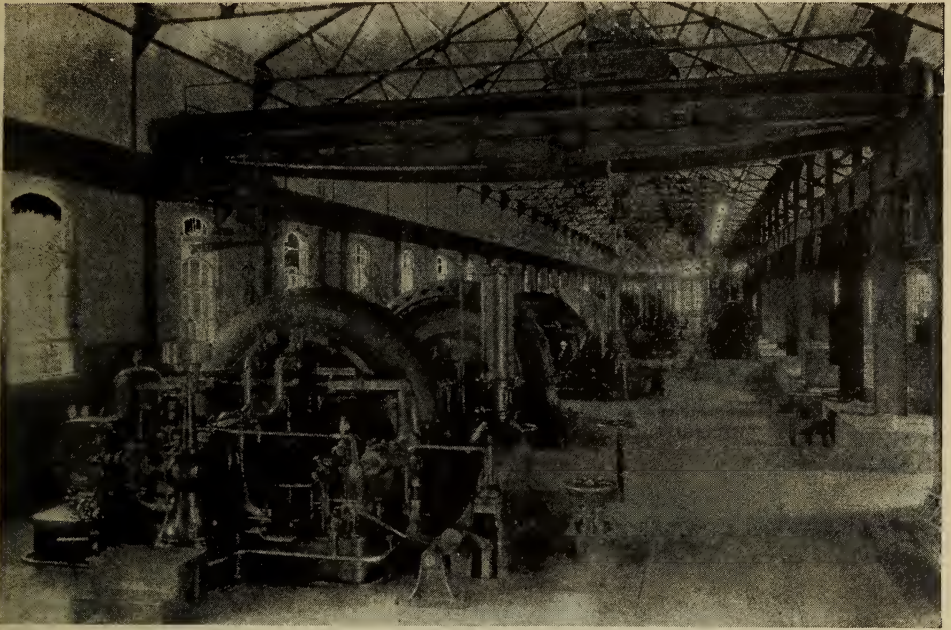
In order to ensure adequate supplies and distribution of power for vital needs, while at the same time conserving essential labour and materials, intensive studies have been necessary throughout the year: first, to permit the transfer of electrical equipment and transmission line material from places where the need was marginal to situations where the requirements were more urgent; and secondly, to point the way to operating arrangements which would enable the available power resources to be utilized in the most advantageous manner. Transformer, switching, control equipment, and other changes to this end are being carried out in a number of districts.

Engineering and other assistance has been given to a large number of municipalities and war industries in connection with the purchase and installation of new equipment; changes and additions to existing stations, and the design and construction of new stations.

A good deal of consideration has been given to the problems of power supply in the post-war era, more particularly in relation to the earlier years, to endeavour to form a conception of the programme of necessary construction, and of the system facilities which will be required.

Special efforts were made to release equipment and material to the salvage department for use in the war effort. The material released includes equipment which has been in disuse, and where, because of more or less obsolete design, there was little probability that it would be reused; also surplus material and equipment held in stores or elsewhere.

At the end of this section is given a tabulation of the transformer and distributing stations where major increases in transformer capacity have been made. It will be noted that in some cases, where the design permitted, these increases have been effected by the installation of cooling fans.



DECEW FALLS GENERATING STATIONS—OLD AND NEW

The upper photograph shows one wing of the 46-year-old development with its nine units aggregating 50,000 horsepower. These have given excellent service since they were constructed in the pioneer days of electric power transmission on a large scale. In contrast, the lower view shows the new development with one unit of 65,000 horsepower capacity installed in a power-house having only one-third the floor area of the older plant.

Approximately 17 miles of transmission lines were constructed and placed in service during the year. In addition, work was commenced and substantial progress made on the construction of a 120-mile transmission line from Port Arthur to Moose Lake, as described in more detail in a succeeding paragraph. More than 100 miles of obsolete transmission circuits were removed, in some cases with their supporting structures, to provide material for new construction or for salvage.

Extensions to distribution lines and systems have been limited to services most essential to the war effort, due chiefly to the scarcity of copper and aluminum. Short rural extensions have been made to farms for the increase of food production, a tabulation of which, at the end of this section, shows the mileage and number of consumers served. Supply lines and distribution systems have been built for airports, training centres, prison camps, proving grounds, radio transmitting and receiving stations, wartime housing, and other Dominion Government projects. The most extensive was that built for Polymer Corporation Ltd. at Sarnia for temporary construction power. This installation was comparable to that required by a municipality of 6,000 people.

NIAGARA SYSTEM*

The DeCew Falls Extension generating station (25 cycles), reported under construction last year, was placed in service on October 15, 1943, adding approximately 48,500-kva generating capacity to the Niagara system.

The third bank of transformers at the new 220,000-volt transformer station at Burlington was placed in service on April 4, 1943, increasing the station capacity by 75,000 kva; and progress is continuing on the installation of the synchronous condensers previously reported. The first 40,000-kva unit is expected to be in service early in 1944. The permanent control building which was scheduled for service in 1943 will not be placed in operation until 1944.

The additional 47,100-kva bank of transformers at Chats Falls generating station, installed for use with the frequency-changer set, was placed in service.

Load control devices are being installed at the Queenston, Ontario Power, and Toronto Power generating stations, for continuous automatic division of load between the three stations, and to assist in making the maximum use of available power resources.

Preliminary studies and estimates were made in connection with the proposed Des Joachims development on the Ottawa river as a future source of power.

Work was commenced on the elimination of the 46,000-volt power supply to the Welland area from Niagara transformer station, and on local station changes incidental thereto. Some of these changes are described in succeeding paragraphs. Upon completion, the Welland area will be entirely supplied from the recently constructed Crowland and Atlas Steel transformer stations, which were installed to provide for the greatly increased local load, and where 110,000-volt power is now stepped down to 26,400 volts.

*Re amalgamation of Southern Ontario systems consult page xi in Chairman's introduction.



HEAVY STORM, EASTERN ONTARIO, WINTER 1942-3
Ice loading—in excess of one inch—on distribution circuit

Arising from the above, the four 46,000-volt transformer banks at Niagara transformer station are being dismantled, together with the 46,000 and 12,000-volt switching equipment for these banks. One bank of three transformers has been released for temporary use in war industry. The remaining three banks are expected to be dismantled in 1944.

In the Welland area, the capacity of Crowland transformer station was increased by the installation of one 25,000-kva 3-phase transformer, and four additional 26,400-volt feeders, together with the necessary switching equipment, to serve the two plants of the Electro-Metallurgical company and the municipalities of Dunnville and Welland. A new switching station is being constructed at the Electro-Metallurgical Company's Union Carbide plant to take care of the change from 46,000-volt to 26,400-volt supply, and Dunnville municipal station was changed for 26,400-volt operation. Two 3,000-kva, 3-phase transformers at Welland distributing station and one 3,000-kva transformer at Welland municipal station No. 2, were equipped for forced-air-cooled operation.



HEAVY STORM, EASTERN ONTARIO, WINTER 1942-3
Trouble on a 4,000-volt distribution line at Martintown

The third 25,000-kva transformer at Hamilton-Gage transformer station was placed in service.

A new 12,000-kva, 66 $\frac{2}{3}$ cycle, 44,000/2,300-volt step-down station was constructed at the Steel Company of Canada's plant at Hamilton.

Forced air cooling equipment was installed at Hamilton (Stirton) transformer station, increasing the capacity of each of the six transformers from 5,000 kva to 6,750 kva; and also at Norfolk transformer station, increasing the existing transformer capacity from 6,000 kva to 8,000 kva.

To meet the needs of the Polymer Corporation, the capacity of the temporary station supplying power for construction purposes at its Sarnia plant was increased from 2,000 kva to 4,000 kva. The Commission is now constructing for the corporation a permanent 25-cycle, 2,000-kva stand-by station at the plant. Two frequency-changer units with their related switching equipment were sold to the corporation.



POWER FOR STEEP ROCK IRON MINES

Transmission line 110,000 volts, Rainy River switching station to Moose Lake switching station.

Considerable equipment was removed from the Hamilton steam plant. The turbo-generators, auxiliaries, power-house crane, and part of the switching equipment were disposed of to the Polymer Corporation. The boilers and a portion of the boiler room equipment were disposed of for re-use elsewhere. The remaining equipment is being placed in salvage stores, except for the step-down portion of the plant which has been retained to enable existing 13,200-volt service to be continued to certain customers. Service and lighting transformers and battery charging facilities were installed at this step-down portion, now known as Firestone (Hamilton) distributing station, and the remainder of the steam plant site and building, now known as Service Building (Beach Road) Hamilton, is being used for the storage of construction plant and reserve equipment.

GEORGIAN BAY SYSTEM

To provide for increased war loads in the Midland-Penetang district, the two 3,000-kva auto-transformers at Fergusonvale auto-transformer station were interchanged with the two 1,500-kva auto-transformers at Waubashene auto-transformer station.

The Mount Forest frequency-changer station was totally dismantled, and the frequency-changer set and switching equipment disposed of to the Polymer Corporation. The building was sold to the Mount Forest Water



MOOSE LAKE POWER PLANT—RAINY RIVER DISTRICT

This 10,000 horsepower development was put out of commission by the diversion of Seine river in order to unwater Steep Rock lake seen in foreground. It now forms the receiving station for Hydro power from Port Arthur and the generators of the plant are being used as synchronous condensers in connection with the supply of power to Steep Rock Iron Mines Limited

and Light Commission. The 60-cycle transformers were placed in reserve equipment; and the other transformers, and the high-voltage switching equipment are being disposed of.

Studies were made regarding possible future additional sources of power for the Georgian Bay system, including interconnection with the Eastern Ontario system.

EASTERN ONTARIO SYSTEM

To take care of increased load at Sidney transformer station, forced air cooling equipment for the main 15,000-kva transformer bank, the new 5,000-kva spare transformer, and the 15,000-kva voltage-regulator was installed, increasing the transformer bank capacity from 15,000 kva to 21,000 kva.

A new 3,750-kva, 44,000/600-volt outdoor step-down station was installed for the Department of Munitions and Supply at Lindsay Arsenal.

NORTHERN ONTARIO PROPERTIES

Rainy River District

Studies were actively carried on, plans were developed, and construction is now well advanced for the supply of power to Steep Rock Iron Mines Ltd.

and The Ontario-Minnesota Pulp and Paper Company Ltd. Power is supplied from the new Rainy River switching station, located at Port Arthur transformer station, over a new 110,000-volt single-circuit wood-pole transmission line, 120 miles in length, to a new switching station at The Ontario-Minnesota Pulp & Paper Company's Moose Lake generating station, to replace the original generating station output, and to supply power to Steep Rock Iron Mines Ltd. The problem of operation in parallel with the pulp and paper company's system required considerable study, and the generators at the company's Moose Lake plant are being converted to synchronous condensers for the regulation of voltage at that point.

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1943

Installed transformers						Removed transformers	
Station	No.	Kva.	Phase	Total kva.	In service	No.	Kva.
Niagara System							
Albion Park.....	D.S. 3	667	1	2,000	Dec. 12, 1942	3	300
Beachville.....	D.S. 3	250	1	750	May 6, 1943	3	200
Burlington.....	T.S. 3	25,000	1	75,000	Apr. 4, 1943		
Chats Falls.....	T.S. 3	15,700	1	47,100	June 11, 1943		
Crowland.....	T.S. 1	25,000	3	25,000	Mar. 22, 1943		
Dundas.....	T.S. 1	600	3	600	June 18, 1943		
Hamilton-Gage.....	T.S. 1	25,000	3	25,000	May 17, 1943		
Hamilton-Stirton.....	T.S. 6	1,750*	1	10,500	July 25, 1943		
Niagara Falls.....	1	1,500	3	1,500	Aug. 2, 1943		
Niagara Falls.....	3	1,000	1	3,000	Aug. 2, 1943		
Niagara.....	T.S.				July 27, 1943	3	3,500
Norfolk.....	T.S. 1	2,000*	3	2,000	Apr. 18, 1943		
O.P.....	T.S.				Nov. 17, 1942	3	3,000
Page-Hersey Tubes Ltd.....	2	3,000	3	6,000	Jan. 31, 1943		
Polymer Corp. (Sarnia) Stn.....	3	667	1	2,000	Mar. 21, 1943		
Steel Co. of Canada.....	D.S. 3	4,000	1	12,000	Dec. 24, 1942		
Wallaceburg.....	D.S. 1	1,500	3	1,500	Mar. 21, 1943		
DeCew Falls.....	G.S. 3	22,500	1	67,500	Sept. 29, 1943		
DeCew Falls.....	G.S. 1	22,500	1	22,500	Sept. 29, 1943		
Welland.....	D.S. 2	900*	3	1,800	July 17, 1943		
Georgian Bay system							
Cannington.....	D.S. 3	150	1	450	Apr. 18, 1943	3	100
Collingwood Shipyard.....	1	1,000	3	1,000	June 13, 1943		
Fergusonvale.....	Auto T.S. 2	1,500	3	3,000	Oct. 28, 1943	3	3,000
Meaford.....	D.S. 3	75	1	225	July 11, 1943		
Mount Forest.....	F.C.				Feb. 8, 1943	3	350
Mount Forest.....	F.C.				Aug. 9, 1943	3	300
Waubauskene.....	Auto T.S. 2	3,000	3	6,000	Oct. 28, 1943	2	1,500
Eastern Ontario system							
Alexandria.....	D.S. 1	300	3	300	May 5, 1943	1	300
Cameron Rural.....	R.S. 1	50	1	50	July 1943	1	25
Lindsay (D.M.S.).....	3	1,250	1	3,750	Jan. 12, 1943		
Mohawk (D.N.D.).....	3	100	1	300	Mar. 21, 1943		
Omeme.....	D.S. 1	100	1	100	Mar. 29, 1943	1	100
Seymour.....	D.S. 1	75	1	75			
Sidney.....	T.S. 1	2,250*	1	2,250	Sept. 10, 1943		
Sidney.....	T.S. 3	2,100*	1	6,300	Sept. 10, 1943		
Northern Ontario Properties							
Monteith (D.N.D.).....	1	1,000	3	1,000	Apr. 22, 1943	3	200
Monteith (D.N.D.).....	*6	200	1	1,200	Jan. 14, 1943		
North Bay.....	C.S. 3	450	1	1,350	Sept. 16, 1943		

*Forced air cooling equipment added to original transformers.

TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and voltage	Kind of structures	1 line route or structure miles			Circuit miles
		Total to Oct. 31, 1942	Additions 1943	Total to Oct. 31 1943	Total to Oct. 31 1943
Niagara System					
220,000-volt.....	steel	1,025.12	.....	1,025.12	1,069.97
110,000-volt.....	"	859.66	2.72	862.38	1,442.45
110,000-volt.....	wood	81.84	.....	81.84	83.67
90,000-volt.....	steel	65.85	.....	65.85	120.81
60,000-volt.....	"	59.58	*24.35	35.23	35.57
60,000-volt.....	wood	0.62	2.41	3.03	3.03
46,000-volt.....	steel	16.99	* 1.06	15.93	37.68
46,000-volt.....	wood	22.22	*21.86	0.36	0.36
26,400-volt.....	"	854.93	22.46	877.39	1,065.19
13,200-volt.....	"	252.97	.....	252.97	318.17
13,200-volt.....	steel	0.82	.....	0.82	1.64
12,000-volt.....	wood	72.14	0.22	72.36	91.23
Dominion Power division—44,000-volt..	steel	34.97	.....	34.97	69.94
Dominion Power division—44,000-volt..	wood	44.28	0.38	44.66	44.66
Dominion Power division—22,000-volt..	"	28.56	*0.02	28.54	28.54
Dominion Power division—10,000-volt..	"	14.46	*0.06	14.40	14.40
Georgian Bay System					
110,000-volt.....	wood	55.83	.....	55.83	55.83
38,000-volt.....	"	223.42	.....	223.42	250.92
6,000-volt.....	"	2.30	.....	2.30	2.30
Seyvern district—22,000-volt.....	"	109.74	.....	109.74	134.04
Eugenia district—38,000-volt and less..	"	242.03	.....	242.03	308.47
Wasdell district—22,000-volt.....	"	82.12	.....	82.12	83.46
Muskoka district—38,000-volt.....	"	26.31	.....	26.31	26.31
Eastern Ontario System					
110,000-volt.....	steel	163.23	.....	163.23	166.54
110,000-volt.....	wood	279.99	0.15	280.14	280.14
44,000-volt.....	"	24.33	.....	24.33	24.33
33,000-volt.....	"	42.26	.....	42.26	47.94
Central district—44,000-volt and less..	"	513.88	*10.24	503.64	541.87
St. Lawrence district—44,000-volt.....	"	128.29	.....	128.29	128.67
Rideau district—26,400-volt.....	"	62.51	.....	62.51	62.51
Madawaska district—33,000-volt and less	"	59.10	.....	59.10	59.10
Thunder Bay System					
110,000-volt.....	steel	82.12	.....	82.12	164.28
110,000-volt.....	wood	178.21	.....	178.21	178.21
44,000-volt.....	"	113.81	.....	113.81	113.81
22,000-volt.....	"	8.05	.....	8.05	8.05
12,000-volt.....	"	1.45	.....	1.45	1.45
Northern Ontario Properties					
Abitibi district—132,000-volt.....	steel	362.74	.....	362.74	725.48
Abitibi district—132,000-volt.....	wood	190.19	.....	190.19	190.19
Abitibi district—33,000-volt and less..	"	150.12	.....	150.12	151.13
Sudbury district—110,000-volt.....	"	46.23	.....	46.23	46.23
Sudbury district—22,000-volt.....	"	61.57	.....	61.57	61.57
Nipissing district—22,000-volt.....	"	63.16	.....	63.16	80.04
Patricia district—44,000-volt.....	"	343.81	*0.22	343.59	343.59
Patricia district—22,000-volt.....	"	32.65	.....	32.65	32.78
Totals.....		‡7,084.51	‡29.47	7,055.04	8,696.55

*Removals.

‡Net increase.

†The 1942 Annual Report shows a total of 7,226.82 route miles of transmission lines. In certain cases low-voltage power circuits are carried on structures erected for telephone service and had been recorded as route miles instead of circuit miles only.

NOTE: Circuit miles of 220,000-volt line, in the province of Quebec, connected to H-E.P.C. lines = 103.45. Total 220,000-volt system interconnected circuit miles = 1,173.42.

**TRANSMISSION LINE CHANGES AND ADDITIONS MADE DURING YEAR
ENDED OCTOBER 31, 1943**

NIAGARA SYSTEM

High-Voltage Lines

A 110,000-volt, double-circuit, steel-tower line with one circuit only erected was built from DeCew Falls generating station 2.72 miles to St. John's Valley junction.

The 110,000-volt double circuit and ground cable were removed from 0.58 mile of the steel-tower line "A", Niagara transformer station to Allanburg junction.

The 110,000-volt double circuit and ground cable were removed from 38.03 miles of the steel-tower line "A", Allanburg junction to Dundas transformer station.

A 110,000-volt circuit was removed from 2.97 miles of the double-circuit, steel-tower line, St. John's Valley junction to Pelham junction.

One tower was removed from the 110,000-volt, double-circuit, steel-tower line, Kitchener transformer station to Erbs junction.

Five towers were removed from the 110,000-volt, single-circuit, steel-tower line, Erbs junction to Stratford transformer station.

Two towers were removed from the 110,000-volt, single-circuit, steel-tower line, Stratford transformer station to St. Marys transformer station.

A 60,000-volt wood-pole line was completed ready for service from "O.P." transformer station 2.41 miles to Cyanamid transformer station.

Low-Voltage Lines

NIAGARA DISTRICT:—The 46,000-volt, single-circuit, wood-pole line from Elec. Steel & Eng. junction 21.34 miles to Dunnville municipal station was removed for 1.41 miles and the balance was transferred to the Crowland 26,400-volt district.

The 46,000-volt, double-circuit, steel-tower line, Southworth Avenue junction 0.53 mile to Welland municipal station was transferred to the Crowland 26,400-volt district.

The 46,000-volt, double-circuit, steel-tower line, Welland 0.53 mile to Elec. Steel & Eng. junction was transferred to the Crowland 26,400-volt district.

The 46,000-volt line from Welland transformer station to Bridge No. 16 junction was removed.

The 12,000-volt line from Niagara transformer station to "T.P." transformer station was extended 0.12 mile to a new terminal structure.

The 12,000-volt, double-circuit line from "T.P." transformer station to "O.P." transformer station was converted to a single-circuit and 0.63 mile was relocated.

DUNDAS DISTRICT:—A 13,200-volt tap line was built 0.03 mile to a new Dundas municipal station.

TORONTO DISTRICT:—The 13,200-volt double circuit was removed from the wood-pole line Glengrove junction 1.80 miles to York Mills distributing station.

YORK DISTRICT:—A 26,400-volt line was built from Brown's Line junction 0.22 mile to the Aluminum Company of Canada for that customer.

HAMILTON DISTRICT:—A 13,200-volt line was built from Hamilton Gage transformer station 0.35 mile to the Steel Company of Canada for that customer.

ST. CLAIR DISTRICT:—A 26,400-volt line was built from Indian Road junction 0.79 mile to Polymer Corporation for that customer, and placed in service temporarily at 6,600 volts.

TORONTO AND LEASIDE DISTRICTS:—A section of the 13,200-volt line from Sun Brick junction at East York distributing station number one, 0.30 mile in length, was replaced by 0.27 mile in a new location.

TORONTO AND FAIRBANK DISTRICTS:—The 26,400-volt, double-circuit line from York Mills distributing station to Willowdale regulator station was converted to single-circuit pole-top-pin construction.

CROWLAND DISTRICT:—A 26,400-volt circuit was established from Crowland transformer station 21.62 miles to Dunnville municipal station by the erection of 1.22 miles of circuit on existing structures, construction of 0.47 mile of line and by transfer of 19.93 miles of 46,000-volt line from Niagara district.

A 26,400-volt circuit was established from Crowland transformer station 1.82 miles to Southworth junction by restringing 0.26 mile of line, construction of 0.49 mile of line and by transfer of 1.10 miles of 46,000-volt circuit from Niagara district.

A section of 26,400-volt line 0.30 mile in length was built to complete a circuit from Crowland transformer station 0.50 mile to Page Hersey junction.

A 26,400-volt line was built from Electro Metallurgical Co. station 0.19 mile to Page Hersey Tubes.

PORT COLBORNE DISTRICT:—The 13,200-volt double-circuit line from Dominion Government Elevator junction to Canada Cement Company station was converted to single-circuit pole-top-pin construction for a length of 1.24 miles.

THOROLD DISTRICT:—A 12,000-volt line from Power Glen junction 1.51 miles to DeCew Falls development was placed in service.

NIAGARA-DOMINION DISTRICT:—A 44,000-volt line was built from Irondale station 0.41 mile to the Steel Company of Canada.

The 10,000-volt line, Burlington distributing station to National Fireproofing junction, was relocated for a distance of 0.43 mile.

EASTERN ONTARIO SYSTEM

High-Voltage Lines

A 110,000-volt, single-circuit, wood-pole tap line was built two spans to a new Aluminum Company of Canada station and 0.38 mile of line to the original station was relocated.

CENTRAL DISTRICT:—The 44,000-volt line from Deseronto junction 2.80 miles to Deseronto distributing station was restrung.

The 11,000-volt line from Lakefield generating station 2.32 miles to Douro generating station was removed.

The 6,600-volt line from Auburn generating station 7.92 miles to Lakefield distributing station was removed.

ST. LAWRENCE DISTRICT:—A portion of the ground cable, 12.87 miles in length, was removed from the 44,000-volt line from Cornwall transformer station to Martintown distributing station.

A portion of the ground cable, 4.44 miles in length, was removed from the 44,000-volt line from Martintown distributing station to Apple Hill distributing station.

A portion of the ground cable, 1.10 miles in length, was removed from the 44,000-volt line from Apple Hill distributing station to Dominionville junction.

A portion of the ground cable, 1.00 mile in length, was removed from the 44,000-volt line from Dominionville junction to Alexandria distributing station.

A portion of the ground cable, 4.59 miles in length, was removed from the 44,000-volt line from Dominionville junction to Maxville distributing station.

NORTHERN ONTARIO PROPERTIES

PATRICIA DISTRICT:—A 44,000-volt tap line was built two spans from Hasaga junction to Hasaga Gold Mines station.

The 44,000-volt line from Howey junction 0.27 mile to Howey Gold Mines station was removed.

SUDBURY DISTRICT:—A 22,000-volt line was built from Stinson generating station 6.20 miles to Falconbridge Nickel Mines for that customer.

COMMUNICATIONS—ALL SYSTEMS

Niagara System—In the Niagara Falls district two 100-pair, paper-insulated, lead-covered telephone and control cables were installed underground a distance of 0.37 miles from the Toronto Power generating station to the Toronto Power transformer station to provide remote control and metering channels between these two points.

The four-circuit trunk telephone pole line from Wiltshire transformer station to Islington junction was completely rehabilitated for a distance of 4.54 miles.

In the Hamilton district a 150-pair, paper-insulated, lead-covered cable was installed underground from Hamilton Beach transformer station to Hamilton Gage transformer station, a distance of 0.9 mile, to provide channels for remote control and metering facilities.

In the Essex district a single telephone circuit, 14.83 miles long, was erected on 26,400-volt transmission line poles from Essex transformer station to Essex distributing station.

Carrier terminals were installed for the operation of voice channels over existing physical telephone circuits from London transformer station to Essex transformer station and from Burlington transformer station to St. Thomas transformer station.

Georgian Bay System—The No. 9 iron telephone circuit was replaced with No. 6 A.C.S.R. conductor, a distance of 1.31 miles from Derby Mills junction to Tara distributing station.

Eastern Ontario System—In the Cornwall and Ottawa districts, power line carrier antennae were erected at Federal, Cyrville and Merivale junctions to complete the operation of power line carrier terminals at Ottawa and Cornwall transformer stations.

Telephone line carrier equipment was installed at Chats Falls and Barrett Chute generating stations and the Gatineau Power Company switching station at Val Tetreau to provide for the operation of frequency control and telemetering channels between these points.

Northern Ontario Properties—A single telephone circuit is being erected to provide communication service between Port Arthur transformer station and the Moose Lake transformer station at the Steep Rock Iron Mines. Of this, about 90 miles representing 75 per cent of the distance, was completed by October 31, 1943.

DISTRIBUTION LINES AND SYSTEMS

IN RURAL POWER DISTRICTS

The following summary shows the mileage of distribution lines constructed by the Commission in rural power districts and the number of consumers served.

The summary indicates a total construction during the year of 21.2 miles of new primary line completed and giving service to 2,005 additional consumers.

SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1942		At October 31, 1943					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM.	11,752.01	83,150	11,764.34	22.19	11,786.53	84,085	128	84,213
GEORGIAN BAY SYSTEM	3,063.43	18,639	3,065.56	2.36	3,067.92	18,618	8	18,626
EASTERN ONTARIO SYSTEM.....	4,629.56	27,510	4,636.26	7.12	4,643.38	28,520	37	28,557
THUNDER BAY SYSTEM	288.98	1,397	288.98	.....	288.98	1,425	.....	1,425
NORTHERN ONTARIO PROPERTIES								
Abitibi district.....	53.04	250	53.02	.....	53.02	244	.....	244
Sudbury district....	28.50	1,333	28.50	0.20	28.70	1,399	2	1,401
Nipissing district...	88.18	918	88.25	0.23	88.48	915	2	915
Manitoulin district..	162.16	962	162.16	.....	162.16	960	.....	960
Totals.....	20,065.86	134,159	20,087.07	32.10	20,119.17	136,164	177	136,341

SECTION VIII

RESEARCH—TESTING—INSPECTION

PRODUCTION AND SERVICE

THE importance of research work in the war programme has increased studies and investigations in the Laboratories in all branches of activities where assistance could be given to various departments of the Canadian government and the armed services. The assistance rendered has varied from simple acceptance tests on materials and apparatus to endurance and performance tests on completed apparatus under extreme service conditions. Intensive laboratory investigations have been made of special electrical equipment and materials being produced in Canada.

Several members of the staff have been released for special war research and engineering work by the government for the duration of the war.

The study, testing and factory inspection of equipment of various types for the Government, the Commission and the municipalities has been one of the chief activities of the Laboratories.

The Wire Test section of the Laboratories has performed a considerable amount of investigational work and type testing for the Royal Canadian Air Force, the Army and the Naval Services, on wires and cables insulated with synthetic rubber compounds which the Services considered as possible substitutes for wires insulated with compounds containing natural rubber.

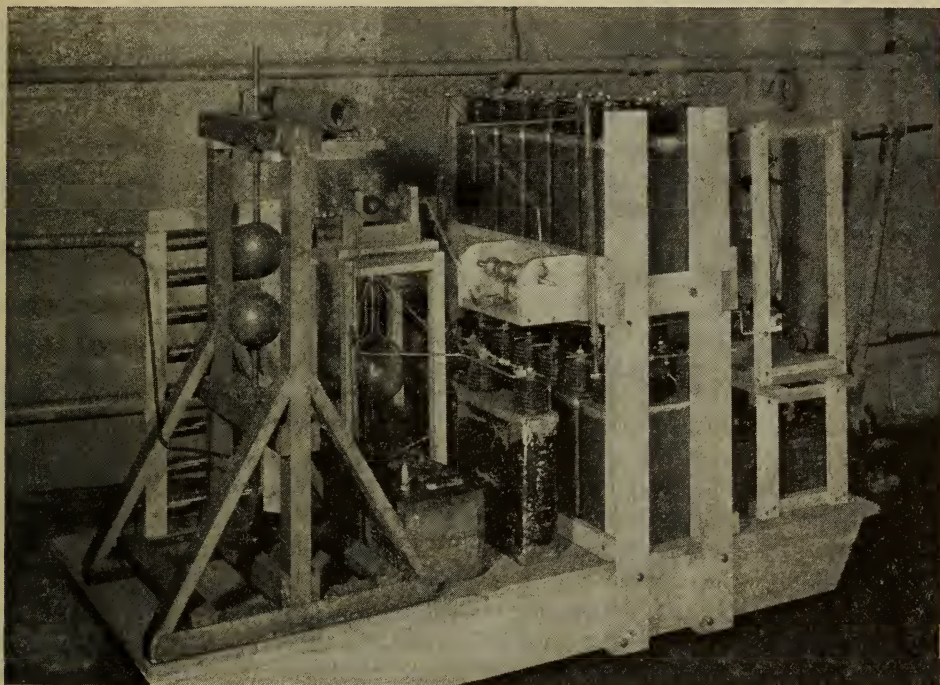
The Photometric section has made tests and recommendations to war industries on the use of infra-red radiation for paint baking and other industrial heating operations.

An extensive investigation was pursued with the purpose of improving conditions pertaining to the supply of electric power to farm services. Various causes dictated the desirability of such a study, including the fact that these services constitute an important part of the power load supplied by the Commission.

Attention has been given to important research problems in connection with the Commission's operations such as vibration of line conductors, joints in electrical conductors, electrical insulating materials, radio interference, concrete and corrosion and other problems associated with domestic electric water heating.

The Approvals Laboratory, which acts as an agent of the Canadian Engineering Standards Association, has continued to co-operate with the

Electrical Inspection department in testing devices and fittings and in studying problems of safety in handling domestic and other appliances in order to keep electrical accidents at a minimum.



TESTING UNDER ARTIFICIAL LIGHTNING CONDITIONS

A new impulse generator which simulates lightning strokes for testing arresters, transformers and other distribution equipment. The generator is compact, about 50 inches high and mounted on a platform, 32 x 72 inches, for ready portability.

RESEARCH AND TESTING LABORATORIES

Research

The Laboratories are continually active in studying research problems of the Commission and are equipped with a large amount of testing apparatus of varied nature by which tests and investigations can be made. Some of these investigations are conducted in the field using Laboratory equipment. Members of the Research staff co-operate with other departments of the Commission, and with the municipalities, toward the solutions of their operational problems.

Electrical Insulation

Investigations resulted in developing a method of sealing the ends of paper-insulated control cables. The insulating properties of modern plastics were studied.

Power factor tests were made on transformer oils as a means of indicating the improvement during reconditioning operations. Power factor tests made on bushings in the Laboratories supplemented gradient tests in the field in diagnosing bushing faults.

A surge generator was designed and assembled to study transient phenomena and for impulse testing of different types of insulation by simulating lightning strokes up to 120,000 volts.

Vibration of Line Conductors

The study of vibration in transmission line conductors and investigation of methods and devices for its suppression were continued. Field and laboratory tests resulted in the completion of designs of torsional dampers for all sizes of steel-reinforced aluminum conductors from No. 3/0 to 795,000 circular mils.

Investigations were made to determine the destructive effect of over-stressing and mechanical surface damage on the fatigue properties of aluminum wire.

Joints in Electrical Conductors

Several long-term investigations to improve methods of making joints were continued through the year. Measurements of resistance of a large number of joints were made periodically to determine the amount of deterioration due to weathering. The data obtained in this investigation are being applied extensively in present construction practice.

Special attention was given this year to the cleaning of aluminum contact surfaces, and to aluminum-to-copper clamped joints with zinc or cadmium plating, or galvanizing of the intermediate member. A specification was drafted to cover field practice in preparing aluminum conductors and sleeves prior to making joints.

A new design of compression terminal for aluminum conductors was given an accelerated life test, and the effects of certain grease fillers on the mechanical strength of joints in steel strand cables were studied. Investigations were made of various types of live line clamps for use with rural transformers.

Grounding

Methods of grounding, and types and arrangements of ground connections were studied. The electrical contact resistance of two types of standard ground rod clamps on bare and galvanized steel rods were measured to determine comparative changes over a period of three years. The bare rods showed a coating of fine rust but no scaling. All of the combinations showed increase in resistance and most of them had a greater increase during the third year than in either of the previous years.

Tests were made to determine the degree of hazard and danger of shock in operating air-break switches in case of failure of switch insulators with the present grounding arrangement. These tests showed that a metallic plate or screen just below the surface of the ground, and connected to the grounding electrode, would reduce the hazard from line-to-ground voltage.

The grounding of rural services for the protection of live-stock, and other preventive measures, were studied as a result of several cattle having been electrocuted in their stanchions. The chief measures suggested as suitable for most cases were the separation of primary and secondary neutral conductors, the use of a continuous neutral conductor, bonding of non-current-carrying metal parts of service equipment and the insertion of suitable lengths of rubber hose or insulating pipe in air and water lines running to the stanchions.

Treatment of Wooden Transmission Structures

Inspection was made of samples of spruce and jack pine poles from Ear Falls which had been treated about four years ago with sodium arsenite and copper sulphate in the investigation of methods for preventing deterioration of wooden structures. These chemicals appeared fairly satisfactory in preventing decay although only small amounts were found to have reached the ground line. The use of pentachlorophenol as a preservative is now being investigated in eastern cedar poles.

The brush creosote treatment of poles in storage and the manner of piling poles were considered.

There has been close co-operation with the Bell Telephone Company in studying the problems in preservation of wooden structures. This work is proving valuable in the maintenance of transmission lines supported by wood poles.

A special committee is studying the matter of reforestation of Commission properties.

Domestic Hot Water Tanks and Heaters

The study of causes of corrosion in hot water tanks and heaters was continued in an effort to find means of increasing the service life of these devices. The tanks which have been under test for more than four years at York station were opened and examined again to observe the rate and nature of deterioration as part of this continued investigation. A comparatively new heater installation, after twenty-one months service, showed very little scale due apparently to special water treatment to keep the scale in suspension.

High-watt-density immersion heaters in iron tanks, at North York Township filtration plant, developed scale, more than 90 per cent of which was hard and adhered tightly, the remainder being soft and powdery. With low-watt-density immersion heaters, conditions were reversed, 92 per cent of the scale being of a powdery nature with only the small balance being hard and firmly set.

Strap-on heaters were tested in contact with wet rock wool and it was found that in rare cases water may enter the element by a type of breathing action.

A transite hot water tank was constructed and special tests were started at the Laboratories. Samples of organic coatings were placed under test in the distilled water boiler.

Attention was given to plans for post war heater installations.

Illumination

The problem of flicker of fluorescent lamps at 25 cycles has been studied with a view to operation at higher frequencies, 400 to 500 cycles. Satisfactory tests were made at 440 cycles which showed that the 40 watt size could be operated at 60 volts, and with line power factor of unity, without the necessity of special starting switches. The ballast reactor would be much smaller than for 25 cycles and there is no apparent flicker when the lamp is started.

An auxiliary device for starting fluorescent lamps by application of an initial high voltage was tested and its merits studied.



CONCRETE CUBE FOR TEMPERATURE GRADIENT TESTS

This cubic yard of concrete contains sixty-four thermocouples for study of surface and internal temperature variations due to weather conditions and solar radiation. The leads from the thermocouples are brought to an automatic selector switch in the steel box at the left and connected to a recording thermometer in a small building nearby. The temperature at each point is registered about every hour.

Masonry Materials

Observations of temperatures and joint openings in Barrett Chute dam were continued to obtain information in the investigation of temperature distribution and stresses in mass concrete. A special concrete cube was prepared at the Laboratories for further study of heat transference in two or three directions and to show the temperature effect of sunlight in regard to freezing and thawing cycles. Comparative tests on Canadian cements were completed and studies were made of their chemical properties to supplement previous information on physical properties.

Field trials of absorptive form lining, which is intended to increase the durability of formed surfaces, were conducted on one project where trouble was encountered with surface dusting and honeycomb.

Progress was made in the investigation of the deterioration of cement as a result of long periods of storage.

Paints and Protective Coatings

Investigations were continued on house paints, shellac substitutes, paint removers, etc., which resulted in the elimination of some unsuitable materials. Tests made on paint removers enabled the Commission to obtain a better solvent type of material than that previously used. The principal work done was the study of the effect of paint pigments on the tendency of paint to blister due to moisture movements in the wood, which indicated that more attention should be given to proper priming of wood.

Tests also were made on aerial bases to determine the suitability of various compounds over extreme temperature range.

Petroleum Products

The solubility of air and carbon dioxide in insulating oils and the effect of vacuum filling on the air content of the oil were investigated, with many tests being made in the field on certain types of transformers. The reconditioning of old oil was continued and practical procedure for salvaging oil in large quantities was studied. Tests were made to determine how previously reconditioned lubricating and insulating oils were behaving in service.

Arrangements were made to participate in a long range study of insulating oils being undertaken by the Committee on Electrical Insulating Materials of the American Society for Testing Materials.

Miscellaneous Research

Research work in the Laboratories is done in cooperation with nineteen subcommittees each of which studies some specific problems. Not all of these subcommittees have been active during the year due to shortage of manpower and wartime restrictions. However, all projects have been prosecuted as actively as possible. In addition to those mentioned, attention has been given to several important problems and investigations.

The Laboratories commenced a study of the possibilities of certain electro-metallurgical processes which industry may find practical to introduce into Ontario after the war.

Studies were undertaken of small fast-freezing and storage refrigerating units to devise a suitable type for rural use.

The performance of carrier communication equipment at Leaside and Chats Falls was determined by tests on the transmission lines.

The investigation of causes of radio interference was continued and methods of rating interference from insulators were compared.

Metal spraying processes and the relief of welding strains by thermal treatment were studied.

Pilot wire, carrier current and wired radio methods for the remote control of domestic water heaters, street lighting and other services, were investigated by a special committee.

The problems involved in industrial applications of infra-red radiation for heating purposes were studied and comparison made of carbon and tungsten lamps. The effects of thickness of the material and position of the article being heated, the heat absorption of chemical pigments, concentration of radiation and control of convection currents were all investigated.

Routine Testing, Materials and Equipment Inspection

The Laboratories conduct a large number of routine tests on materials and equipment of different types and also inspect work being done for the Commission and for municipalities in the manufacturers' plants and in the field. These services aim to insure the highest quality in material and workmanship and also satisfactory characteristics and operation of equipment with a minimum of maintenance and expense and the greatest attainable reliability in service.

Electrical Equipment

Factory inspection of electrical equipment included 22 power transformers with total capacity of 110,950 kva, 23 oil circuit breakers with total

capacity of 5,673,600 kva and 74 disconnecting switches with total rating of 7,534,200 kva. Metal clad and other switchgear for DeCew and Burlington stations were inspected, and also two special grounding reactors and several units of forced air cooling equipment.

Distribution transformers, both new and repaired, 342 in all, were tested, a large proportion being for airports. A total of 37,251 line and bus insulators, valued at \$80,673, were inspected and tested at the manufacturers' plants.

Gradient tests were made on 606 transformer and oil circuit-breaker bushings to determine their condition and the extent of any defects that may be developing.

Routine tests were made at the Laboratories on 5,413 pairs of linemen's rubber gloves and on 1,231 samples of insulating oil. Special tests were made on 981 samples of oil. A total of 1,295 instrument and distribution transformers were tested, the latter being units repaired by the Production and Service department. Thermostats tested amounted to 53. High-voltage tests were made on 2,885 insulators. Nearly 5,000 repaired watt-hour meters were checked and 167 indicating instruments were calibrated.

Mechanical and Structural Equipment

The larger items of mechanical equipment inspected were for installation at DeCew Falls generating station and the transformer stations at Burlington and Niagara Falls.

For DeCew Falls, important equipment included the welded spiral casing and embedded parts for one turbine, one penstock 16.5 feet diameter and 465 feet long, one regulating valve, six 84 inch butterfly valves, two head gates and hoists, two tainter gates and hoists, one 280-ton travelling crane, a transformer transfer truck and three sump pumps.

For Burlington transformer station, the new equipment included two 40,000-kva synchronous condensers partly completed, also tanks for starting equipment and two five-ton cranes.

For Toronto Power generating station, there were two 14 inch diameter turbine shafts and two cast steel turbine runners.

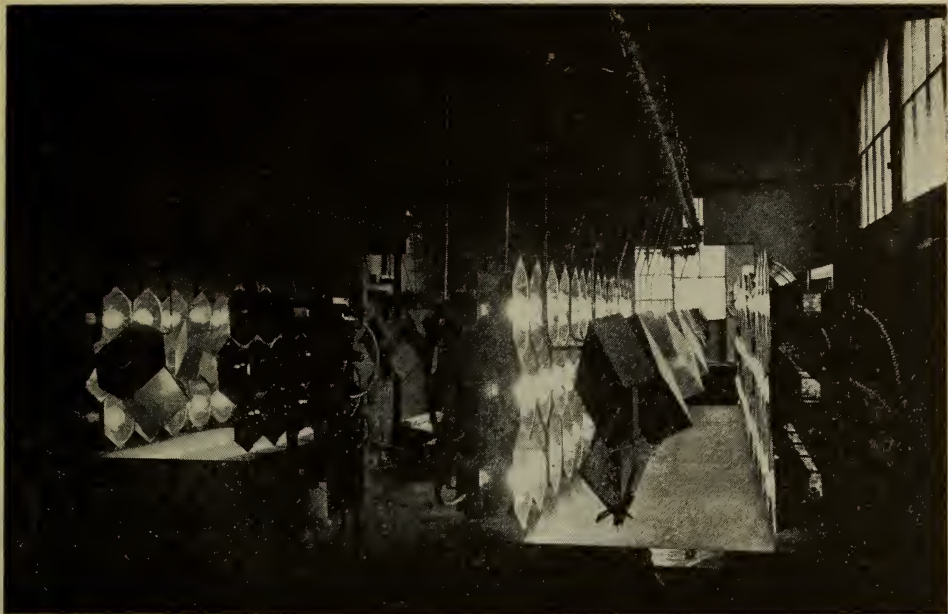
A thrust bearing runner plate was inspected for Cameron Falls generating station.

The fabrication of tanks for transformers and oil circuit-breakers, particularly the welding, required inspection frequently at the factories. Welding of other equipment, including structural parts, was followed closely. Sixteen welded transformer tanks were inspected at the request of a transformer manufacturer.

Concrete

Four resident concrete inspectors and four other inspectors and assistants were stationed on seven construction projects. These inspectors tested the aggregates, supervised the processes and generally checked the quality of the concrete being used on these jobs.

Concrete, concrete aggregates and cement, a total of 498 samples, were tested at the Laboratories to determine quality and suitable proportioning.



PRACTICAL APPLICATION OF INFRA-RED RADIATION

Industrial infra-red ovens for baking the finish on tool boxes, built in accordance with recommendations of the Laboratories based upon tests and studies on experimental equipment. The articles being baked are suspended from conveyors and, entering at the smaller oven at the left, travel two feet per minute through the ovens, giving a baking period of two minutes for the primer coat of paint and six minutes for the final coat.

Soils

Seventy-five samples of earth dam materials, chiefly soils, were tested to obtain information as to the best method of using them.

X-ray and Microscopical Examinations

The X-ray laboratory has been specially busy and its services were enlisted by government departments in connection with war work.

Radiographic and fluoroscopic examinations were made on aluminum castings and cable joints to eliminate defective material, the total number of samples tested being 6,251. Microscopical examinations of 214 samples of metal were made to study the structure of the material.

Transmission Line Materials

The inspection of transmission line materials which pass through Strachan Avenue stores included crossarms, brackets, insulator pins, clamps, general hardware, wire and cable. The amount of copper wire and galvanized steel cable inspected was 251 tons, about 75 per cent of the quantity checked last year.

Steel and Timber

A total of 689 tons of structural steel was inspected for new installations and also 2,108 pine and cedar poles for distribution line construction.

General Materials

Tests were made on 301 samples of ferrous and non-ferrous metals and on 166 samples of wood, rope, leather and textiles.

Protective Coatings

Inspection of 146 samples of paints and other protective coatings for use on the Commission's structures has been carried on to insure high quality and satisfactory ageing properties. The weatherometer is used for accelerating the ageing tests.

Petroleum Products

A total of 448 samples of various petroleum products was tested.

Lamps and Lighting Equipment

In all 67,887 lamps were tested at the factory and 3,039 life tests were made at the Laboratories; 34 special tests on lamps were made.

Safety glass, reflex signals, direction signals and automobile head-light devices were tested for the Department of Highways.

Candlepower distribution and efficiency tests were made on three samples of lighting equipment, and three foot-candle meters were calibrated.

Eighty-two samples of paints were tested for gloss, and baking tests by infra-red rays were made on 32 samples.

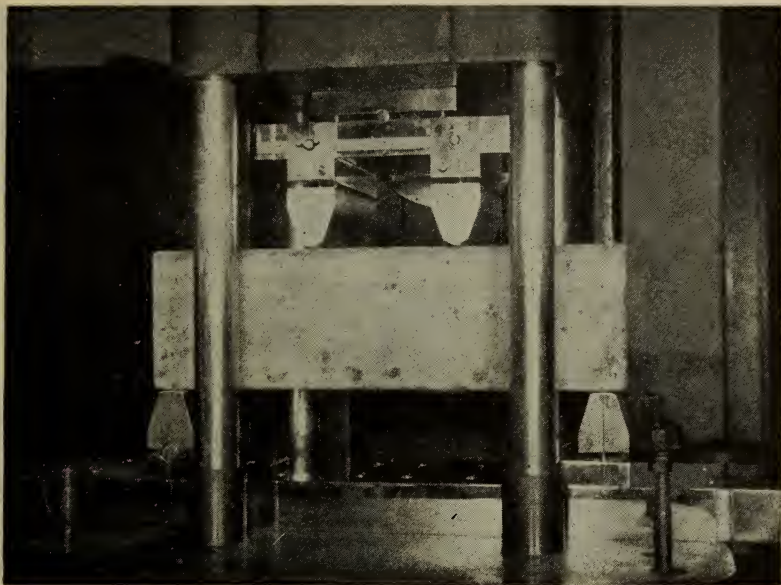
Inspection Investigations

In factory inspection, it sometimes is necessary to make investigations of the characteristics of certain equipment and materials to procure information in addition to that which is obtainable from the usual factory tests, or to determine the cause of unsatisfactory characteristics and to assist in correcting the faults. Failures of equipment also are investigated. During the year, these investigations included a 5,000-kva transformer which failed at Sidney transformer station, hottest spot indicating equipment for Hamilton Stirton transformer station, an order of fifteen air core reactors for Strachan transformer station, turbine shafts at Toronto Power generating station, and a moving coil type of regulator for the Wire Test laboratory.

New Equipment

Due to wartime restrictions, it has not been possible to obtain as much new equipment for research and testing as all of the activities of the Laboratories required. Some of the essential apparatus, however, has been bought or constructed at the Laboratories in order that important war work and assistance to the Commission and the municipalities would not be hindered.

A special low-temperature refrigerator was purchased for testing synthetic insulated wires and cables from room temperature down to 78 degrees below zero Fahrenheit. A 10,000 pound capacity proving ring was added to the equipment of the Structural Materials laboratory for calibrating machines used in mechanical testing. A new 140-volt storage battery was bought for general use in the Laboratories.



FLEXURAL TESTING OF CONCRETE BEAMS

This equipment is mounted in the compression test machine to apply loads up to 25,000 pounds to beam specimens of concrete and other structural materials. The maximum span length is thirty inches. The loading may be central or at selected points as shown.

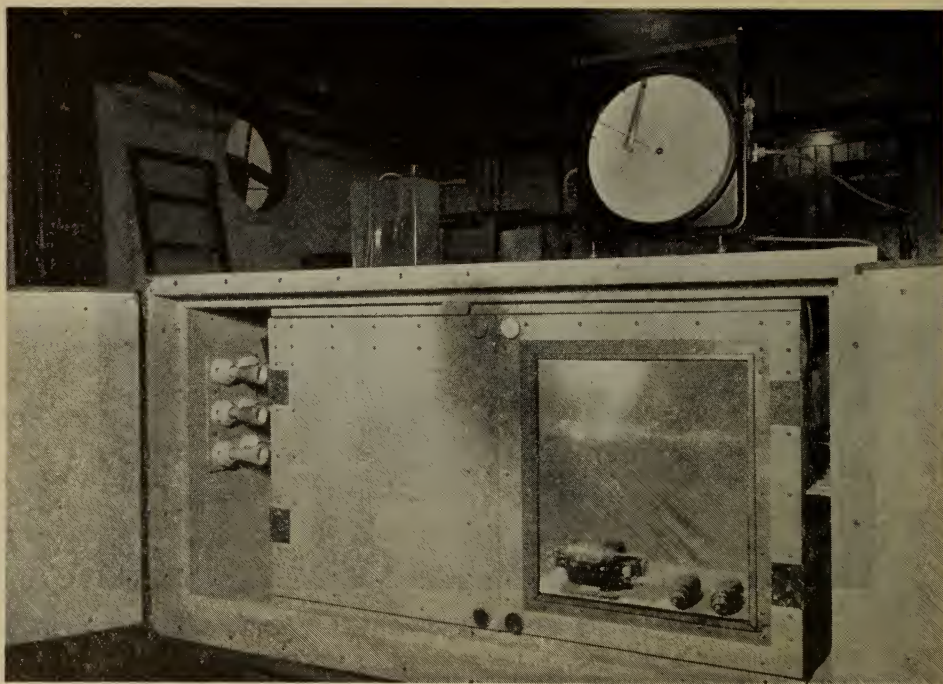
The equipment built or assembled in the Laboratories included a vibration machine to test lamps and lighting equipment for use on vehicles, an ozone generator for testing insulated wires and cables, a special device for shear tests on metal specimens, a pycrometer for determining air voids in plastic concrete, a comparator for determining length changes in concrete mortar bars, equipment for transverse and flexure tests on concrete beams, and a new motor drive for the 20,000-pound capacity physical testing machine.

Cabinets have been constructed in which to subject equipment to extreme weather conditions under closely controlled temperature and humidity; they are at present being used in tests and investigation of communication equipment for the armed forces. Equipment for measuring gloss of paints was rebuilt to comply with present standards.

The X-ray equipment was improved by the addition of an electrically operated shutter for the tube, a new high-intensity viewing table, with photoflood lamps immersed in water for examination of the films, and aluminum and steel slotted-wedge penetrometers for sensitivity calibrations on these materials. A special dark room was equipped for processing the films.

Specifications and Committee Work

Members of the staff co-operated in committee work with members of the following organizations—Canadian Engineering Standards Association, National Research Council, Canadian Electrical Association, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, American Society for Testing Materials, International Association of Electrical Inspectors, Canadian Manufacturers' Association,



PRODUCING SPECIAL WEATHER CONDITIONS

One of two climate chambers for testing electrical equipment under extreme high and low temperature and humidity conditions, which are indicated by the instrument shown at the top. The free working space in each cabinet is twelve cubic feet.

Ontario Municipal Electric Association, Association of Municipal Electrical Utilities, Illuminating Engineering Society, Wartime Prices and Trade Board, Department of Munitions and Supply, Wartime Bureau of Technical Personnel and Dominion Board of Fire Underwriters.

APPROVALS LABORATORY

This section of the Laboratories has continued to function as agent of the Canadian Engineering Standards Association on approvals testing and factory re-examination of electrical equipment for Canada and for manufacturers in the United States who have applied for approval under the Canadian Electrical Code to sell their products in Canada. The Approvals engineer attended meetings of the administrative board held in Ottawa, Montreal and Toronto.

There has been a further decrease in the receipt of applications for testing and in the sales of approval labels but decrease in the latter has not been as great as in new applications for testing, so the Factory Inspection section has been more active than the laboratory testing section. Members of the staff have assisted again in the investigation of substitute materials to be used by manufacturers of electrical equipment and also in the preparation of rules and specifications for their use during the war period.

ELECTRICAL INSPECTION DEPARTMENT

The continued restrictions and other conditions due to the war have reduced the volume of inspection business.

Toward the end of the year there was some relaxation in restrictions respecting farm wiring which should bring increased activity.

Statistical

A total of 65,515 permits was issued, a decrease of 26.3 per cent from 1942, and a decrease of 36.3 per cent from the average number issued during the last five fiscal years, 1939-1943. Inspections made numbered 137,115, a decrease of 25.4 per cent from 1942.

Fires attributed to Electricity

As a result of the numerous routine investigations of fires reported as having been caused through wiring and equipment, eleven were found definitely to have started from this source. Two of these were due to hot plates overloading fixture wires and two to electric irons left heating and unattended. In another case combustible material was left in contact with a hot plate. A defective branch circuit cutout, a defective extension cord and short circuits in lamp sockets caused four more fires. Defective non-metallic sheathed cable and a ground in armoured cable also started fires.

Electrocutions and Fatal Accidents

Ten persons were electrocuted accidentally in Ontario due to electric wiring and equipment. One man and three children lost their lives by contact with 115-volt circuits; the man was adjusting a thermostat, the children came into contact with an extension cord, a portable heater in a bath room and a home-made brooder, all of which equipment was defective. Two men were killed on 550-volt circuits, one by touching a portable cable and the other by coming into contact with a feeder conductor. Two men received fatal shocks from 2,300-volt feeders, one of whom was lowering a pipe from a roof above live conductors. One man was electrocuted on a test floor by contact with equipment at a potential of 6,000 volts to ground, the accident evidently being due to confused signals and neglected protective equipment which had become defective.

Accidents, Non-Fatal

Six persons were reported as having received shock or injury which did not cause death. Three men received severe burns—two connected low-voltage test lamps to 550-volt and 2,300-volt circuits and the third was taping a conductor behind a 2,300-volt switchboard. One man suffered burns and a fractured shoulder when examining a 550-volt compensator. Two boys received shock from an ungrounded service conduit and an intentionally electrified fence.

Ground Tests

A total of 483 tests of consumers' grounds was made in isolated communities and rural districts, about 70 per cent of the work done in 1942.

Infractions of Regulations

Nineteen persons, or companies, were prosecuted for various infractions of the rules and regulations governing the installation, sale and disposal of electrical equipment.

Special Inspections of Equipment

During the year, 1,175 applications were received from manufacturers and distributors of electrical equipment for approval of special devices not listed as approved by the Canadian Engineering Standards Association, an increase in applications of about 11 per cent. The department reported on 1,126 of these applications, an increase of 33 per cent in reports.

Canadian Electrical Code

Members of the Engineering department and Electrical Inspection staffs, and engineers of the Canadian Engineering Standards Association, attended six meetings and assisted in compiling and revising sections of Parts I, II and IV of the Code.

The work associated with Part I of the Code, on Electrical Installations, includes attendance at meetings of the Central Committee and the issuing of interim revisions and interpretations. Part II, on Approvals Specifications for Electrical Equipment, covers the preparation of draft specifications and interim revisions of published specifications. The work on Part IV, on Radio Interference, includes preparation of drafts of sections of specifications to insure good practice in means of suppressing radio interference, and also the attendance at meetings of panels and subpanels of the Main Committee.

Three new specifications of Part II were published and nine other specifications were advanced. The work on specifications was curtailed considerably due to the war.

PRODUCTION AND SERVICE DEPARTMENT

The operations of the garage, machine shop and carpenter shop continued on a satisfactory basis.

The volume of work done in the garage was approximately equal to that of the previous year, and included the overhauling of 72 trucks and reconditioning of 79 units of gasoline-driven equipment for the Construction department. In addition, 1,330 orders for miscellaneous truck repairs were completed. Due to the restrictions on the manufacture of commercial vehicles, no trucks were purchased and consequently all efforts were confined to maintaining and rebuilding present equipment.

Special attention was given to the policy of regularly and systematically inspecting the Commission's fleet of 379 trucks. The mileage operated by the fleet during the fiscal year was approximately 2,500,000 which represents a reduction of 7.1 per cent from the previous year and a gross reduction of 24.2 per cent since gasoline rationing was first instituted. This reduction reflects the constant effort made by the various departments of the Commission to conserve rubber and gasoline.

The volume, type and value of work done in the machine shop and carpenter shop varied considerably and, based on the number of man hours expended in productive work, showed a decrease of approximately 20 per cent from the previous year.

Approximately 30 per cent of the facilities of the machine shop were devoted to war work done under the auspices of the Public Utilities Wartime Workshop Board.

SECTION IX

FINANCIAL STATEMENTS

Relating to

Properties Operated by The Hydro-Electric Power Commission on behalf of Co-operating Municipalities of the Southern Ontario System (Niagara, Georgian Bay and Eastern Ontario Divisions) and the Thunder Bay System,

and to

Northern Ontario Properties Held and Operated by the Commission in Trust for the Province of Ontario, and

The Hamilton Street Railway Company—A Subsidiary of the Southern Ontario System

IN this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Southern Ontario system (Niagara, Georgian Bay and Eastern Ontario divisions), the Thunder Bay system, and Rural Power districts associated with these two systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a subsidiary of the Southern Ontario system.

Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the wholesale and retail aspects of the work. A description is also given of the systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

The amalgamation of the Niagara, Georgian Bay and Eastern Ontario systems into one system, to be known as the Southern Ontario system, is

also described in the Foreword, and explained in the Chairman's Letter of Transmittal. As the amalgamation is effective for the fiscal year ended October 31, 1943, the financial statements herein presented are shown as relating to the Southern Ontario system.

Although for the purpose of financial administration the Southern Ontario and Thunder Bay systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the two systems. These tables include a **balance sheet**; a **statement of operations and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, account with the Provincial Treasurer of the Province of Ontario, funded debt issued or assumed, power accounts receivable, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves and sinking fund reserves.**

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment remaining at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,* when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, for contin-

*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

gencies and obsolescence, and for stabilization of rates. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out; to enable the undertaking to replace existing equipment with improved equipment as it become available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise; and to prevent rates from fluctuating unduly.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

Tabular Data

The following comments relate to the tabular data presented:

Balance Sheet.—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities and reserves of the co-operative systems.

Statement of Operation and Cost Distributions.—This statement is a summary of operating expenses and fixed charges as shown in the "cost of power" tables relating to the individual systems as referred to more particularly below.

Fixed Assets.—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, showing in separate classifications the values of plant under construction and in service, depreciable and non-depreciable.

Capital Expenditures and Grants.—Rural Power Districts.—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

Account with the Provincial Treasurer.—This schedule lists, both for the systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Funded Debt Issued or Assumed.—This schedule presents a complete list of the outstanding securities issued or assumed by the Commission on account of the systems, and the Northern Ontario

Properties. It should be noted that securities issued to finance Northern Ontario Properties are shown only in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheet of the Northern Ontario Properties.

Power Accounts Receivable.—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the "credit or charge" statements for municipalities. The main details of these debit balances three months or more overdue are stated.

**Renewals Reserves,
Contingencies and Obsolescence Reserves, and
Stabilization of Rates Reserves.**

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

Sinking Fund Reserves.—This schedule summarizes the appropriations of principal and interest with respect to these reserves for each of the systems and certain other properties.

Following these statements, which are common to all systems, there are given for each of the co-operative systems four tabular statements as follows:

Cost of Power statement, which shows the apportionment to each municipality of the items of cost summarized in the operating account, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "cost of power supplied by H-E.P.C."

Credit or Charge statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service.

Sinking Fund statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

Rural Operating statement, which summarizes for the rural power districts of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

Northern Ontario Properties

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating and income accounts, schedule of fixed assets, renewals reserve, contingencies and obsolescence reserve, and sinking fund reserve. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

The Hamilton Street Railway Company

This is a subsidiary of the Southern Ontario system of the Commission. A balance sheet and operating and income account are presented.

Municipal Utilities

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

Auditing of Accounts

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**FINANCIAL ACCOUNTS**

For the Year ended October 31, 1943

**Relating to Properties operated on a "Cost Basis" for the Co-operating
Municipalities and Rural Power Districts which are supplied with
Electrical Power and Services from the following Properties:**

Southern Ontario System

**(Embracing Niagara, Georgian Bay
and Eastern Ontario Divisions)**

Thunder Bay System

**Service and Administrative
Buildings and Equipment**

STATEMENTS

Balance Sheet as at October 31, 1943

**Statements of Operations and Cost of Power for the Year ended
October 31, 1943**

Schedules supporting the Balance Sheet as at October 31, 1943:

Fixed Assets—By Systems and Properties

Capital Expenditures and Grants—Rural Power Districts

Account with the Provincial Treasurer of the Province of Ontario

Funded Debt Issued or Assumed

Power Accounts Receivable

Renewals Reserves

Contingencies and Obsolescence Reserves

Stabilization of Rates Reserves

Sinking Fund Reserves

Statements for Municipalities Receiving Power under Cost Contracts

THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT

ASSETS

FIXED ASSETS:

Southern Ontario system	\$302,557,378.89
Thunder Bay system.....	20,263,059.05
Service and administrative buildings and equipment	4,252,425.32

\$327,072,863.26

Less: Grants-in-aid of construction:

Province of Ontario—for rural power districts.....	19,183,787.75
--	---------------

\$307,889,075.51

INVESTMENTS

The Hamilton Street Railway Company—Capital stock....	\$ 3,000,000.00
Other investments.....	234,125.00

3,234,125.00

CURRENT ASSETS:

Employees' working funds.....	\$ 68,050.88
Sundry accounts receivable.....	889,635.90
Power accounts receivable.....	4,427,776.66
Interest accrued.....	547,103.79

Consumers' and contractors' deposits:

Cash deposits.....	\$ 24,058.62
Securities—at par value.....	676,549.19

700,607.81

Prepayments.....	32,192.14
------------------	-----------

6,665,367.18

INVENTORIES:

Construction and maintenance materials and supplies.....	\$ 2,307,224.58
Construction and maintenance tools and equipment.....	657,340.04
Office equipment.....	167,703.29

3,132,267.91

DEFERRED ASSETS:

Agreements and mortgages.....	\$ 119,430.71
Rural district loans.....	6,434.79
Work in progress—deferred work orders.....	107,913.58

233,779.08

UNAMORTIZED DISCOUNT ON DEBENTURES.....

614,406.48

RESERVE FUNDS:

Investments—Specific reserves.....	\$ 49,436,887.45
Employers' Liability Insurance Fund:	

Investments.....\$ 1,018,545.67

Deposits with the Workmen's Compensation Board.....

26,547.59

1,045,093.26

Pension Fund investments.....	8,314,442.20
-------------------------------	--------------

58,796,422.91

SINKING FUNDS:

Deposits in the hands of trustees—including temporary investments.....	69,912.88
--	-----------

\$380,635,356.95

COMMISSION OF ONTARIO

OCTOBER 31, 1943

LIABILITIES AND RESERVES

LONG TERM LIABILITIES:

Funded debt issued or assumed	\$109,064,000.00	
Less—Debentures issued to finance Northern Ontario Properties	21,818,400.00	
	<u>\$ 87,245,600.00</u>	
Advances from the Province of Ontario . . .	\$106,814,489.12	
Less—Advances for Northern Ontario Properties	5,735,423.01	
	<u>101,079,066.11</u>	
Purchase agreements, and mortgages	75,914.77	
		<u>\$188,400,580.88</u>

CURRENT LIABILITIES:

Bank overdraft—secured	\$ 1,307,156.47	
Accounts and payrolls payable	2,321,138.91	
Power accounts—credit balances	113,649.07	
Hamilton Street Railway Company—Current account . . .	127,834.55	
Northern Ontario Properties—Current account	1,678,165.47	
Advances from the Province of Ontario for rural loans . . .	6,862.66	
Consumers' and contractors' deposits	756,021.82	
Debenture interest accrued	733,788.07	
Miscellaneous interest accrued	2,729.08	
Miscellaneous accruals	162,589.04	
Rural power districts grants—not allocated	4,532.16	
		<u>7,214,467.30</u>

RURAL POWER DISTRICTS—Rates suspense, net. 2,176,987.79

RESERVES:

Renewals	\$ 57,197,091.35	
Contingencies and obsolescence	24,001,530.73	
Stabilization of rates	15,862,818.57	
Fire insurance	111,862.93	
Investment—subsidiary	1,439,568.54	
	<u>\$ 98,612,872.12</u>	
Employers' liability insurance	1,308,035.65	
Pension fund	8,497,946.23	
Savings and retirement fund	63,667.91	
Miscellaneous	473,950.96	
		<u>108,956,472.87</u>

SINKING FUND RESERVE:

Represented by:

Funded debt retired through sinking funds	\$ 26,650,741.80	
Provincial advances retired through sinking funds . . .	47,166,193.43	
Deposits in the hands of trustees—Contra	69,912.88	
		<u>73,886,848.11</u>
		<u>\$380,635,356.95</u>

Auditors' Certificate

We have examined the accounts of The Hydro-Electric Power Commission of Ontario for the year ended the 31st October, 1943, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st October, 1943, according to the best of our information and the explanations given to us, and as shown by the books and records of the Commission. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND COY.,
Chartered Accountants,

Auditors

Dated at Toronto, Ontario,
12 May, 1944.

THE HYDRO-ELECTRIC POWER
Statement of Operations and Cost of Power

System and property	Cost of power purchased	Operating maintenance and administrative expenses	Interest	Provision for renewals	Provision for contingencies and obsolescence
SOUTHERN ONTARIO SYSTEM:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Municipalities.....	7,187,072.87	4,309,598.81	8,316,022.27	1,470,654.46	777,743.60
Rural power district.....	526,107.57	428,015.56	742,818.90	164,922.11	84,167.37
Companies.....	3,314,537.12	1,493,078.60	2,275,027.08	460,796.62	7,184,268.41
Local distribution system.....	20,439.69	51,076.18	42,935.20	13,021.92	5,302.50
Sub-total.....	11,048,157.25	6,281,769.15	11,376,803.45	2,109,395.11	8,051,481.88
Rural lines operated by municipalities.....			894.02	419.61	209.81
	11,048,157.25	6,281,769.15	11,377,697.47	2,109,814.72	8,051,691.69
THUNDER BAY SYSTEM:					
Municipalities.....		117,360.19	323,922.74	59,065.33	66,152.37
Rural power district.....		2,370.59	7,367.91	1,501.22	1,373.27
Companies.....		189,406.70	507,222.11	88,311.41	115,999.03
Mining area—Mines.....		39,643.27	110,692.91	10,649.54	97,558.91
Mining area—Townsites.....		13,601.07	12,078.46	638.99	16,274.41
		362,381.82	961,284.13	160,166.49	297,357.99
COST OF DISTRIBUTION IN RURAL POWER DISTRICTS:					
Southern Ontario system.....	*2,195,711.92	1,497,021.38	837,921.39	381,450.16	.....
Thunder Bay system.....	*14,471.59	12,648.72	12,150.83	4,992.97	.....
	*2,210,183.51	1,509,670.10	850,072.22	386,443.13	.....
Total.....	13,258,340.76	8,153,821.07	13,189,053.82	2,656,424.34	8,349,049.68
Rural power districts eliminations.....	*(2,210,183.51)	.....	.....	.....	.....
Net total.....	11,048,157.25	8,153,821.07	13,189,053.82	2,656,424.34	8,349,049.68
SUMMARY:					
Southern Ontario system.....	11,048,157.25	7,778,790.53	12,215,618.86	2,491,264.88	8,051,691.69
Thunder Bay system.....	.....	375,030.54	973,434.96	165,159.46	297,357.99
	11,048,157.25	8,153,821.07	13,189,053.82	2,656,424.34	8,349,049.68

COMMISSION OF ONTARIO

for the year ended October 31, 1943

Provision for stabiliza- tion of rates	Provision for sinking fund	Operating balance in respect of power sold to private companies	Total cost	Amount received from (or billed against) municipalities and other customers	Amount remaining to be credited or charged to municipalities	
					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,578,293.70	1,993,985.46	(597,768.80)	25,035,602.37	25,850,321.98	900,949.30	86,229.69
114,800.40	178,359.94	(43,479.93)	*2,195,711.92	*2,195,711.92	.....	.....
.....	544,906.41	615,126.03	15,887,740.27	15,887,740.27	.....	.....
.....	10,342.08	26,122.70	169,240.27	169,240.27	.....	.....
1,693,094.10	2,727,593.89	.....	43,288,294.83	44,103,014.44	900,949.30	86,229.69
.....	45.10	.....	1,568.54	1,568.54	.....	.....
1,693,094.10	2,727,638.99	.....	43,289,863.37	44,104,582.98	900,949.30	86,229.69
52,387.95	70,220.06	(38,304.41)	650,804.23	734,899.11	84,094.88	.....
984.15	1,594.03	(719.58)	*14,471.59	*14,471.59	.....	.....
.....	108,253.69	39,023.99	1,048,216.93	1,048,216.93	.....	.....
40,479.72	14,694.15	.....	313,718.50	313,718.50	.....	.....
(3,516.79)	881.67	.....	39,957.81	39,957.81	.....	.....
90,335.03	195,643.60	.....	2,067,169.06	2,151,263.94	84,094.88	.....
.....	203,372.51	.....	5,115,477.36	5,420,656.76	305,179.40	.....
.....	2,628.80	.....	46,892.91	51,585.11	4,692.20	.....
.....	206,001.31	.....	5,162,370.27	5,472,241.87	309,871.60	.....
1,783,429.13	3,129,283.90	.....	50,519,402.70	51,728,088.79	1,294,915.78	86,229.69
.....	.....	.....	*(2,210,183.51)	*(2,210,183.51)	.....	.....
1,783,429.13	3,129,283.90	.....	48,309,219.19	49,517,905.28	1,294,915.78	86,229.69
1,693,094.10	2,931,011.50	.....	46,209,628.81	47,329,527.82	1,206,128.70	86,229.69
90,335.03	198,272.40	.....	2,099,590.38	2,188,377.46	88,787.08	.....
1,783,429.13	3,129,283.90	.....	48,309,219.19	49,517,905.28	1,294,915.78	86,229.69

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1943

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions.

Property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
POWER PLANTS					
Niagara Division:					
Niagara river:					
Queenston-Chippawa.....	1,341,823.61	1,745.06	46,704,996.81	28,904,637.31	75,611,379.18
Ontario Power.....	4,360.27	6,923.42	7,281,151.42	14,436,405.94	21,724,480.78
Toronto Power.....	18,538.11		3,823,379.60	7,622,170.92	11,445,550.52
Ottawa river:					
Chats Falls.....	40,898.95	6,265.91	818,478.01	6,362,416.62	7,187,160.54
Des Joachims power site surveys	115,815.09	223,728.76			223,728.76
Welland canal:					
DeCew Falls.....	1,477,032.00		6,519,204.31	8,858,417.30	15,377,621.61
Long Lake diversion.....	1,928.22		256,910.72	619,770.32	876,681.04
Ogoki diversion.....	870,485.10		2,790,000.00	1,920,742.48	4,710,742.48
Preliminary river surveys.....	827,987.10		30,242.35		30,242.35
Georgian Bay Division:					
Muskoka river: (below lake)					
Bala No. 1 and No. 2.....	40,645.64		30,538.79	43,216.77	73,755.56
Ragged Rapids.....	7,304.65		70,889.49	1,260,958.80	1,331,848.29
Big Eddy.....	12,617.93		170,467.76	1,121,241.22	1,291,708.98
Lands and water rights.....			47,824.81		47,824.81
Severn river:					
Wasdells.....	323.00		15,302.32	132,392.92	147,695.24
Big Chute.....	308.88		122,540.48	562,510.46	685,050.94
Beaver river:					
Eugenia.....	30,907.01		148,980.43	1,147,960.27	1,296,940.70
Saugeen river:					
Hanover.....			10,000.00		10,000.00
Walkerton.....	778.98		100,372.31	117,123.34	217,495.65
Southampton.....	80,006.00		52,488.58		52,488.58
Muskoka river: (above lake)					
South Falls.....	52.00		17,934.95	436,726.95	454,661.90
Tretheway Falls.....			51,549.45	305,718.47	357,267.92
Hanna Chute.....			34,756.73	207,714.10	242,470.83
Hollow Lake dam.....			16,622.32	29,540.16	46,162.48
Lake of Bays outlet.....	3,092.77		3,092.77		3,092.77
Sauble river:					
Lands and rights.....			4,200.00		4,200.00
Gull river:					
Lands and rights.....	5,308.20		1.00		1.00
Preliminary river surveys.....	19,020.49				
Eastern Ontario Division:					
Fenelon river:					
Fenelon Falls.....	4,397.32	4,427.60	60,000.00	91,758.83	156,186.43
Otonabee river:					
Auburn.....			31,400.00	290,275.05	321,675.05
Douro.....	68,478.30				
Lakefield.....	900.00		19,620.05	217,029.40	236,649.45
Young's Point.....	1,050.00		930.81	7,813.69	8,744.50

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1943

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions.

Property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
POWER PLANTS—Continued					
Trent river:					
Heely Falls.....	14,843.31	17,949.60		1,185,690.40	1,203,640.00
Seymour.....	18,798.24	17,362.24		299,418.79	316,781.03
Ranney Falls.....	1,715.27			1,365,861.52	1,365,861.52
Ranney Falls No. 3.....			18,596.20	54,489.18	73,085.38
Crow river.....			1,000.00		1,000.00
Hagues Reach.....		332.67		572,852.30	573,184.97
Meyersburg.....	90.00			837,865.91	837,865.91
Sills Island.....	1,206.48		38,679.36	282,716.06	321,395.42
Frankford.....	325.00			252,398.83	252,398.83
Sidney.....	1,064.62			250,996.46	250,996.46
Mississippi river:					
High Falls.....	20,472.16		13,113.84	685,495.06	698,608.90
Carleton Place.....			9,929.06	47,817.10	57,746.16
Galetta.....	230.00		20,000.00	127,888.21	147,888.21
Madawaska river:					
Barrett Chute.....	169,372.90		698,969.94	3,735,141.75	4,434,111.69
Calabogie.....	998.00		80,825.74	677,629.51	758,455.25
Bark Lake dam.....	109,064.39		571,501.23	768,650.90	1,340,152.13
Kaministeg Lake dam.....	8,852.91		10,158.52	1,795.46	11,953.98
Undeveloped sites.....	180,000.00		470,000.00		470,000.00
Hay Lake dam.....	8,443.36			8,443.36	8,443.36
Preliminary river surveys.....	124,231.85				
Miscellaneous.....	2,225.50	12.00		45,525.05	45,537.05
Intangible.....			2,217,761.29		2,217,761.29
	109,559.18	278,747.26	73,384,411.45	85,897,217.17	159,560,375.88
TRANSFORMER STATIONS					
Niagara Division.....	1,194,610.17	64,595.75		48,733,506.64	48,798,102.39
Georgian Bay Division.....	45,289.88	14,839.78		2,029,566.11	2,044,405.89
Eastern Ontario Division.....	77,481.12	595.10	76,296.26	4,536,278.53	4,613,169.89
	1,226,801.41	80,030.63	76,296.26	55,299,351.28	55,455,678.17
TRANSMISSION LINES					
Niagara Division:					
Lines.....	864,802.09	5,130.45		30,344,369.55	30,349,500.00
Right-of-way.....	204,855.02		9,392,448.65		9,392,448.65
Georgian Bay Division.....	558.21	498.98		2,918,481.08	2,918,980.06
Eastern Ontario Division.....	18,917.76	1,471.67	456,229.67	5,847,189.80	6,304,891.14
	1,089,133.08	7,101.10	9,848,678.32	39,110,040.43	48,965,819.85
LOCAL SYSTEMS					
Niagara Division.....	1,519.10			221,459.67	221,459.67
Georgian Bay Division.....	1,890.08			106,270.89	106,270.89
Eastern Ontario Division.....	840.27		703.00	32,023.94	32,726.94
	469.29		703.00	359,754.50	360,457.50
Sub-total.....	247,696.80	365,878.99	83,310,089.03	180,666,363.38	264,342,331.40
RURAL POWER DISTRICT					
H.E.P.C. investment.....	95,103.52		38,655.97	19,222,039.77	19,260,695.74
Government grants.....	96,930.01			18,933,371.31	18,933,371.31
	192,033.53		38,655.97	38,155,411.08	38,194,067.05

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31st, 1943

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions.

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
RURAL LINES					
Niagara Division.....				20,058.42	20,058.42
Georgian Bay Division.....				922.02	922.02
				20,980.44	20,980.44
	439,730.33	365,878.99	83,348,745.00	218,842,754.90	302,557,378.89

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	264,226,024.18	116,307.22	264,342,331.40
Rural Operating schedules.....	19,377,002.96	116,307.22	19,260,695.74
Rural Lines schedules.....	20,980.44		20,980.44

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1943

THUNDER BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
POWER PLANTS:					
Nipigon river:					
Cameron Falls.....			857,418.84	9,057,502.53	9,914,921.37
Alexander.....	4,777.72		76,898.44	5,263,484.87	5,340,383.31
Virgin Falls dam.....			55,450.41	426,736.74	482,187.15
	4,777.72		989,767.69	14,747,724.14	15,737,491.83
TRANSFORMER STATIONS.....	3,581.94		352,912.35	903,263.09	1,256,175.44
TRANSMISSION LINES.....	513.72		960,177.51	1,722,853.50	2,683,031.01
LOCAL SYSTEMS.....	1,741.59	28.38	85,499.50		85,527.88
Sub-total.....	9,587.53	28.38	2,388,357.05	17,373,840.73	19,762,226.16
RURAL POWER DISTRICT:					
H-E.P.C. investments.....	1,659.12			250,416.45	250,416.45
Government grants.....	1,659.12			250,416.44	250,416.44
	3,318.24			500,832.89	500,832.89
	6,269.29	28.38	2,388,357.05	17,874,673.62	20,263,059.05

	Cost statements	Fixed assets as above
	\$ c.	\$ c.
Cost of Power schedules.....	19,762,226.16	19,762,226.16
Rural Operating schedules.....	250,416.45	250,416.45

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31st, 1943

ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
ADMINISTRATIVE BUILDINGS:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Toronto:					
University avenue.....	4,420.45		224,155.48	2,682,338.37	2,906,493.85
Elm and Centre streets.....				160,821.95	160,821.95
	4,420.45		224,155.48	2,843,160.32	3,067,315.80
SERVICE BUILDINGS AND EQUIPMENT:					
Toronto:					
Strachan avenue.....	10,880.30			562,864.44	562,864.44
1379 Bloor street west.....	3,150.71			50,000.00	50,000.00
Cobourg.....				22,245.08	22,245.08
Hamilton.....	200,000.00		550,000.00		550,000.00
	192,270.41		550,000.00	635,109.52	1,185,109.52
	187,849.96		774,155.48	3,478,269.84	4,252,425.32

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1943

SUMMARY

System or property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Southern Ontario system.....	439,730.33	365,878.99	83,348,745.00	218,842,754.90	302,557,378.89
Thunder Bay system.....	6,269.29	28.38	2,388,357.05	17,874,673.62	20,263,059.05
Service and administrative buildings and equipment.....	187,849.96		774,155.48	3,478,269.84	4,252,425.32
	245,611.08	365,907.37	86,511,257.53	240,195,698.36	327,072,863.26
Less: Grants in aid of construction: Province of Ontario for rural power districts.....	98,589.13			19,183,787.75	19,183,787.75
	147,021.95	365,907.37	86,511,257.53	221,011,910.61	307,889,075.51

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1943

Statement showing the Total Capital Expenditures to October 31, 1943, on the construction of Primary and Secondary lines in Rural Power Districts; the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1943

System	Total capital expenditure	In operation	Grants (50% of Primary and Secondary lines, paid or payable by the Province as authorized by Orders-in-Council*
	\$ c.	\$ c.	\$ c.
Southern Ontario system.....	38,194,067.05	38,194,067.05	18,933,371.31
Thunder Bay system.....	500,832.89	500,832.89	250,416.44
Sub-total.....	38,694,899.94	38,694,899.94	19,183,787.75
Northern Ontario Properties.....	799,738.18	799,738.18	396,788.19
Totals.....	39,494,638.12	39,494,638.12	19,580,575.94

*Grants not made by Province in respect of a summer resort, street lighting systems, service buildings, amounts paid for business already established and one transformer station.

NOTE:

The Grants paid over by the Province to the Commission up to October 31, 1943, on account of authorized grants to rural power districts—amount to.....\$19,585,108.10

The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1943, amount in the aggregate to.....19,580,575.94

A balance of.....\$ 4,532.16

Which balance represents:

Grant funds in the hands of the Commission at October 31, 1943, not allocated, but to apply against the construction of authorized rural power districts and extension to existing districts.....\$ 4,532.16

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with

The Provincial Treasurer of the Province of Ontario

As at October 31, 1943

ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Southern Ontario and Thunder Bay systems operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
ADVANCES FOR CAPITAL EXPENDITURES:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive	207,250,258.34	8,331,113.46	198,919,144.88
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures	207,002,750.36	8,257,111.47	198,745,638.89
REPAYMENTS OF ADVANCES—1926 TO 1933:			
Cash repayments made by the Commission to the Province during the years 1926 to 1933 inclusive, which have been applied in each subsequent year to reduce the Commission's share in maturing Provincial obligations	17,008,616.73	3,061.39	17,005,555.34
Commission's share in Provincial Bonds at October 31, 1934	189,994,133.63	8,254,050.08	181,740,083.55
REPAYMENTS OF ADVANCES:			
Retirements of Commission's share of Provincial bonds matured in the period November 1, 1934, to October 31, 1943:			
In year ended Oct. 31, 1935 . . . \$ 3,946,628.69			
" " " " 1936 . . . 21,993,092.45			
" " " " 1937 . . . 13,557,615.63			
" " " " 1938 . . . 1,777,019.93			
" " " " 1939 . . . 2,151,516.02			
" " " " 1940 . . . 1,756,175.77			
" " " " 1941 . . . 7,739,894.75			
" " " " 1942 . . . 6,631,625.00			
" " " " 1943 . . . 23,621,076.27			
	83,179,644.51	2,518,627.07	80,661,017.44
Commission's share in Provincial Bonds at October 31, 1943	106,814,489.12	5,735,423.01	101,079,066.11

THE HYDRO-ELECTRIC POWER

Funded Debt Issued or

Description	Application of proceeds	Date of Issue
3½% H-E.P.C. debentures.	Refunding D.P. & T. and E. D. Companies	Jan. 1, 1935
5% Ontario Power Co. bonds.	Ontario Power Company	Feb. 1, 1903
2½% H-E.P.C. serial debentures	Refunding H-E.P.C. 1941 debentures and financing plant extensions	Feb. 15, 1941
2½% an. 3% H-E.P.C. serial debentures.	Refunding H-E.P.C. 1941 and 1942 debentures	May 1, 1942
2½% H-E.P.C. debentures.	Refunding Prov. of Ont. advances, etc.	June 15, 1935
2½% and 3% H-E.P.C. serial debentures.	Refunding Prov. of Ont. advances	Aug. 1, 1942
5% Ontario Transmission Co. bonds.	Ontario Transmission Company	May 1, 1905
2%, 2½% and 3% H-E.P.C. debentures.	Refunding, in part, H-E.P.C. 1943 debentures and Province of Ontario advances	Feb. 1, 1943
2½% and 3% H-E.P.C. debentures.	Refunding, in part, Ontario Power Company bonds	Jan. 1, 1943
3% " "	Financing plant extensions	Aug. 1, 1938
2¼% and 2¾% " "	Refunding Province of Ontario advances	Sept. 1, 1943
3¼% " "	Refunding H-E.P.C. 1938 debentures	Feb. 1, 1938
4% " "	Ontario Power Company	Aug. 1, 1917
4% " "	Essex system	June 1, 1918
4% " "	Thorold system	Dec. 1, 1918
4¾% " "	Dominion Power & Transmission Company	Jan. 1, 1930
Municipal debentures assumed.		
Funded debt as shown on the Balance Sheet of The Hydro- Electric Power Commission of Ontario.		
NORTHERN ONTARIO PROPERTIES:		
2½% H-E.P.C. serial debentures	Refunding H-E.P.C. 1941 debentures	Feb. 15, 1941
2½% and 3% H-E.P.C. serial debentures.	Refunding H-E.P.C. 1942 debentures	May 1, 1942
2½% and 3% H-E.P.C. serial debentures.	Refunding Province of Ontario advances and financing plant extensions	Aug. 1, 1942
3¼% H-E.P.C. debentures.	Refunding H-E.P.C. 1937 debentures and financing plant extensions	April 1, 1937
3% H-E.P.C. debentures.	Financing plant extensions	Aug. 1, 1938
Funded debt relating to all prop- erties vested in, or operated by, the Commission.		

COMMISSION OF ONTARIO

Assumed—October 31, 1943

Date of maturity	Matured and/or paid during year	Principal outstanding October 31, 1943	Interest for the year 1942-1943	Interest accrued October 31, 1943
	\$ c.	\$ c.	\$ c.	\$ c.
Jan. 1, 1943	10,000,000.00	.....	58,333.34	.....
Feb. 1, 1943	7,404,000.00	.....	92,550.00	.....
Feb 15, 1944- 1949	1,500,000.00	9,000,000.00	235,937.50	46,875.00
May 1, 1944- 1952	250,000.00	2,250,000.00	63,125.00	.....
June 15, 1944	.....	10,000,000.00	250,000.00	93,750.00
Aug. 1, 1944- 1947	885,400.00	3,541,600.00	113,995.25	24,348.50
May 1, 1945	31,000.00	1,050,000.00	53,175.00	.....
Feb. 1, 1946- 1951	.....	10,000,000.00	202,500.00	67,500.00
Jan. 1, 1948- 1953	.....	7,000,000.00	166,666.67	66,666.67
Aug. 1, 1948	.....	7,740,000.00	232,200.00	58,050.00
Sept. 1, 1948- 1953	.....	7,500,000.00	30,625.00	30,625.00
Feb. 1, 1953	.....	9,000,000.00	292,500.00	73,125.00
Aug. 1, 1957	.....	8,000,000.00	320,000.00	80,000.00
June 1, 1958	.....	200,000.00	8,000.00	3,333.34
Dec. 1, 1958	.....	100,000.00	4,000.00	1,666.67
Jan. 1, 1970	.....	11,864,000.00	563,540.00	187,847.89
.....	20,070,400.00 884.73	87,245,600.00	2,687,147.76 293.33	733,788.07
.....	20,071,284.73	87,245,600.00	2,687,441.09	733,788.07
Feb. 15, 1944- 1949	375,000.00	2,250,000.00	58,984.38	11,718.75
May 1, 1944- 1952	750,000.00	6,750,000.00	189,375.00	.....
Aug. 1, 1944- 1947	14,600.00	58,400.00	1,879.75	401.50
April 1, 1947	.....	8,000,000.00	280,000.00	23,333.33
Aug. 1, 1948	.....	4,760,000.00	142,800.00	35,700.00
.....	1,139,600.00	21,818,400.00	673,039.13	71,153.58
.....	21,210,884.73	109,064,000.00	3,360,480.22	804,941.65

THE HYDRO-ELECTRIC POWER

Power Accounts Receivable

System or property	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1943		Net total for wholesale consumers
		Charge	Credit	
SOUTHERN ONTARIO SYSTEM:	\$ c.	\$ c.	\$ c.	\$ c.
Municipalities.....	2,546,819.67	89,676.58	900,447.58	1,736,048.67
Companies.....	1,304,952.48	.....	.....	1,304,952.48
Local and Rural.....	.....	.....	.....	.....
	3,851,772.15	89,676.58	900,447.58	3,041,001.15
THUNDER BAY SYSTEM:				
Municipalities.....	97,414.64	.....	84,094.88	13,319.76
Companies.....	115,522.42	.....	.....	115,522.42
Local and Rural.....	.....	.....	.....	.....
	212,937.06	.....	84,094.88	128,842.18
Grand totals.....	4,064,709.21	89,676.58	984,542.46	3,169,843.33

COMMISSION OF ONTARIO

—October 31, 1943

Retail power consumers— local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,736,048.67	1,840,148.79	104,100.12	3,446.89
.....	1,304,952.48	1,304,983.08	30.60	104.53
1,130,875.01	1,130,875.01	1,130,875.01	.....	31,394.63
1,130,875.01	4,171,876.16	4,276,006.88	104,130.72	34,946.05
.....	13,319.76	22,838.11	9,518.35	.....
.....	115,522.42	115,522.42	.....	.....
13,409.25	13,409.25	13,409.25	.....	2,240.97
13,409.25	142,251.43	151,769.78	9,518.35	2,240.97
1,144,284.26	4,314,127.59	4,427,776.66	113,649.07	37,187.02

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Renewals Reserves—October 31, 1943

	Southern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
	\$ c.	\$ c.	\$ c.	\$ c.
Balances at November 1, 1942:				
Niagara system.....	39,673,466.19			
Georgian Bay system....	2,880,518.29			
Eastern Ontario system..	6,667,610.55			
	49,221,595.03	3,584,973.35	696,542.08	53,503,110.46
Provision in the year—				
—direct.....	2,491,264.88	165,159.46		2,656,424.34
—indirect.....			26,961.70	26,961.70
Interest at 4% on reserves' balances.....	1,968,863.80	143,398.93	15,878.69	2,128,141.42
Adjustments re transfer of equipment.....	(122,250.82)		(1,055.06)	(123,305.88)
Sub-total.....	53,559,472.89	3,893,531.74	738,327.41	58,191,332.04
Expenditures for the year....	991,677.84	208.68	2,354.17	994,240.69
Balances at October 31, 1943..	52,567,795.05	3,893,323.06	735,973.24	57,197,091.35
Account balances:				
Power plants, transmission lines and transformer stations.....	45,639,765.27	3,852,834.11		49,492,599.38
Rural power districts.....	6,916,993.66	40,488.95		6,957,482.61
Rural lines.....	11,036.12			11,036.12
Administrative office buildings.....			270,811.89	270,811.89
Service buildings and equipment.....			465,161.35	465,161.35
	52,567,795.05	3,893,323.06	735,973.24	57,197,091.35

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Contingencies and Obsolescence Reserves—October 31, 1943

	Southern Ontario system	Thunder Bay system	Totals for power undertakings operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
Balances at November 1, 1942:			
Niagara system.....	15,877,038.70		
Georgian Bay system.....	996,551.44		
Eastern Ontario system.....	2,403,406.85		
	19,276,996.99	2,432,362.79	21,709,359.78
Less:			
Capital cost of certain steam equipment amortized on a ten year basis.....	315,316.64	.....	315,316.64
	18,961,680.35	2,432,362.79	21,394,043.14
Transferred during the year.....	360,234.82	.....	360,234.82
Provision in the year as per cost statement....	8,051,691.69	297,357.99	8,349,049.68
Interest at 4% on reserves' balances.....	758,467.21	97,294.51	855,761.72
Sub-total.....	28,132,074.07	2,827,015.29	30,959,089.36
Contingencies met with during the year.....	1,290,772.32	10,773.81	1,301,546.13
Terminal building, Hamilton.....	33,234.27	.....	33,234.27
Write-off of certain intangible assets, etc.....	5,622,778.23	.....	5,622,778.23
Balances at October 31, 1943.....	21,185,289.25	2,816,241.48	24,001,530.73
Account balances:			
Power plants, transmission lines, transformer stations and rural power districts.....	21,173,970.41	2,816,241.48	23,996,211.89
Rural lines.....	5,318.84	.....	5,318.84
	21,185,289.25	2,816,241.48	24,001,530.73

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Stabilization of Rates Reserves—October 31, 1943

	Southern Ontario system	Thunder Bay		Totals for power undertakings operated on a "cost basis"
		System	Mining area	
	\$ c.	\$ c.	\$ c.	\$ c.
Balances at November 1, 1942:				
Niagara system	10,336,318.35			
Georgian Bay system	728,619.77			
Eastern Ontario system . . .	1,810,920.09			
	12,875,858.21	354,948.73	307,067.52	13,537,874.46
Appropriations in the year as per cost statements	1,693,094.10	53,372.10	36,962.93	1,783,429.13
Interest at 4% on reserves' balances	515,034.33	14,197.95	12,282.70	541,514.98
Balances at October 31, 1943..	*15,083,986.64	422,518.78	356,313.15	15,862,818.57
Account balances:				
Systems	15,083,986.64	422,518.78	356,313.15	15,862,818.57

NOTE:

*The above includes special amounts of \$326,905.24 and \$616,531.56 pertaining to Municipalities of Georgian Bay and Eastern Ontario divisions respectively.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Sinking Fund Reserves—October 31, 1943

	Southern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
	\$ c.	\$ c.	\$ c.	\$ c.
Balances at November 1, 1942:				
Niagara system	57,750,692.25			
Georgian Bay system	2,458,639.84			
Eastern Ontario system . . .	3,779,204.05			
	63,988,536.14	3,353,356.05	656,730.49	67,998,622.68
Provision in the year				
—direct	2,931,011.50	198,272.40		3,129,283.90
—indirect			38,986.54	38,986.54
Interest at 4% on reserves' balances	2,559,541.45	134,134.24	26,264.78	2,719,940.47
Adjustment during the year . .	125.63		(111.11)	14.52
Balances at October 31, 1943..	69,479,214.72	3,685,762.69	721,870.70	73,886,848.11
Account balances:				
Systems	66,945,128.22	3,668,908.95		70,614,037.17
Rural power districts	2,513,399.84	16,853.74		2,530,253.58
Rural lines	20,686.66			20,686.66
Administrative office buildings			469,999.25	469,999.25
Service buildings and equipment			251,871.45	251,871.45
	69,479,214.72	3,685,762.69	721,870.70	73,886,848.11

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

**STATEMENTS FOR MUNICIPALITIES
RECEIVING POWER UNDER COST CONTRACTS****For the year ended October 31, 1943**

STATEMENTS FOR EACH SYSTEM**Cost of Power****Credit or Charge****Sinking Fund****Rural Operating.**

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interm rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Acton.....	28.50	28.50	329,025.66	1,541.1	10,207.59	8,573.76	14,217.14
Agincourt.....	32.00	32.00	43,744.95	204.9	1,357.17	1,105.32	1,874.05
Ailsa Craig.....	40.00	38.00	36,404.36	128.2	849.14	1,069.79	1,560.94
Alexandria.....	50.00	50.00	73,251.26	172.2	1,140.58	1,733.59	3,158.34
Alliston.....	46.00	46.00	118,046.05	391.2	2,591.14	3,231.04	5,084.70
Alvinston.....	52.00	52.00	31,924.91	94.7	627.25	1,304.48	1,358.44
Amherstburg.....	32.00	32.00	200,067.71	813.1	5,385.63	4,793.63	8,624.14
Ancaster Twp.....	27.50	27.50	72,150.46	360.0	2,384.49	1,801.24	3,107.01
Apple Hill.....	44.00	44.00	13,705.66	42.4	280.84	452.66	589.86
Arkona.....	52.00	52.00	21,377.44	52.9	350.39	882.62	928.44
Arnprior.....	28.00	28.00	209,296.85	1,191.6	7,892.65	4,608.32	9,010.64
Arthur.....	60.00	60.00	52,857.00	139.9	926.64	3,184.06	2,329.78
Athens.....	45.00	45.00	36,833.51	105.2	696.80	995.60	1,590.92
Aurora.....	.....	*27.00	164,127.31	792.7	5,250.51	3,972.08	7,118.35
Aylmer.....	30.00	30.00	179,302.24	823.4	5,453.85	4,748.39	7,899.02
Ayr.....	29.50	29.50	45,277.71	179.3	1,187.61	1,245.21	1,969.30
Baden.....	28.50	28.50	100,046.90	479.4	3,175.34	2,349.99	4,313.59
Barrie.....	32.50	32.50	776,374.67	3,900.2	25,833.27	20,658.56	33,597.84
Bath.....	50.00	50.00	14,559.84	40.7	269.58	561.28	627.92
Beachville.....	28.50	28.50	156,699.40	735.1	4,868.99	4,089.28	6,749.35
Beamsville.....	26.00	26.00	76,445.48	407.9	2,701.76	1,798.73	3,296.39
Beaverton.....	39.00	39.00	59,359.65	238.0	1,576.41	2,492.51	2,574.97
Beeton.....	60.00	60.00	51,890.38	134.0	887.56	1,581.52	2,231.06
Belle River.....	32.50	32.50	44,600.99	180.5	1,195.56	1,258.43	1,917.32
Belleville.....	26.00	26.00	1,148,720.67	7,080.7	46,899.55	26,220.29	49,676.54
Blenheim.....	32.50	32.50	114,805.70	495.2	3,279.99	3,505.40	4,939.99
Bloomfield.....	45.00	45.00	33,667.51	110.7	733.23	1,065.25	1,454.63
Blyth.....	42.00	42.00	35,872.68	114.5	758.40	1,428.90	1,540.98
Bolton.....	35.00	35.00	52,044.21	206.7	1,369.09	1,253.48	2,236.93
Bothwell.....	38.00	38.00	30,301.83	116.9	774.30	1,199.26	1,299.08
Bowmanville.....	31.00	31.00	517,098.57	2,600.5	17,224.61	13,393.70	22,341.35
Bradford.....	48.00	48.00	58,269.08	192.6	1,275.70	1,935.90	2,505.80
Brampton.....	26.00	26.00	474,566.79	2,528.0	16,744.40	12,485.01	20,466.18
Brantford.....	23.50	23.50	3,842,888.99	21,013.5	139,184.49	83,471.21	166,598.49
Brantford Twp.....	27.50	27.50	185,335.87	1,011.2	6,697.76	7,438.26	8,030.82
Brechin.....	47.00	47.00	14,975.51	50.4	333.83	654.76	647.10
Bridgeport.....	31.50	31.50	32,714.24	139.0	920.68	747.98	1,409.28
Brigden.....	48.00	48.00	26,261.58	78.6	520.61	921.18	1,126.08
Brighton.....	32.00	32.00	83,556.00	394.2	2,611.01	2,051.47	3,609.43
Brockville.....	26.00	26.00	869,507.86	4,495.2	29,774.29	17,548.16	37,778.06

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private com- panies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,831.89	1,091.35	2,311.65	3,423.84	875.52	41,781.70	43,922.66	2,140.96
360.97	136.79	307.35	455.28	116.41	5,480.52	6,558.13	1,077.61
370.03	119.00	192.30	379.88	72.83	4,468.25	4,910.77	442.52
1,136.22	428.59	258.30	766.85	97.83	8,524.64	8,611.66	87.02
1,620.83	945.67	586.80	1,230.67	222.25	15,068.60	17,994.45	2,925.85
345.58	104.19	142.05	333.66	53.80	4,161.85	4,923.95	762.10
1,823.39	687.74	1,219.65	2,083.89	461.93	24,156.14	26,017.60	1,861.46
589.54	233.57	540.00	747.49	204.52	9,198.82	9,900.47	701.65
193.15	97.72	63.60	143.21	24.09	1,796.95	1,866.01	69.06
248.79	67.04	79.35	225.51	30.05	2,752.09	2,752.09	.....
1,910.70	2,163.81	1,787.40	2,172.90	676.97	28,869.45	33,364.42	4,494.97
811.45	373.20	209.85	562.16	79.48	8,317.66	8,396.50	78.84
535.80	238.08	157.80	385.12	59.77	4,540.35	4,732.16	191.81
1,316.48	519.50	1,189.05	1,707.47	450.35	20,623.09	21,402.23	779.14
1,610.76	609.66	1,235.10	1,902.22	467.79	22,991.21	24,700.50	1,709.29
433.11	158.24	268.95	471.64	101.86	5,632.20	5,289.86	(342.34)
838.81	332.50	719.10	1,039.59	272.35	12,496.57	13,662.95	1,166.38
8,202.64	8,209.62	5,850.30	8,080.36	2,215.76	108,216.83	126,756.77	18,539.94
213.50	93.08	61.05	152.27	23.12	1,955.56	2,033.74	78.18
1,335.30	538.09	1,102.65	1,625.12	417.62	19,891.16	20,949.03	1,057.87
610.31	242.75	611.85	794.23	231.73	9,824.29	10,604.08	779.79
740.21	546.27	357.00	619.26	135.21	8,771.42	9,281.03	509.61
784.30	355.19	201.00	542.18	76.13	6,506.68	8,040.00	1,533.32
404.96	151.03	270.75	462.74	102.54	5,558.25	5,866.26	308.01
9,453.82	12,328.42	10,621.05	11,911.47	4,022.66	163,088.48	184,097.62	21,009.14
1,020.74	385.47	742.80	1,193.48	281.33	14,786.54	16,095.10	1,308.56
461.88	240.06	166.05	351.59	62.89	4,409.80	4,982.27	572.47
377.25	115.82	171.75	373.99	65.05	4,702.04	4,810.40	108.36
481.99	160.00	310.05	542.60	117.43	6,236.71	7,233.05	996.34
288.97	102.90	175.35	315.44	66.41	4,088.89	4,441.58	352.69
5,374.07	4,889.61	3,900.75	5,376.08	1,477.38	71,022.79	80,616.54	9,593.75
801.01	466.18	288.90	607.49	109.42	7,771.56	9,242.40	1,470.84
3,689.22	1,481.95	3,792.00	4,929.71	1,436.20	62,152.27	65,728.21	3,575.94
28,845.85	12,370.42	31,520.25	39,892.82	11,938.10	489,945.43	493,817.98	3,872.55
1,394.26	597.34	1,516.80	1,924.02	574.48	27,024.78	27,806.86	782.08
204.86	123.03	75.60	156.47	28.63	2,167.02	2,368.80	201.78
298.80	106.92	208.50	340.45	78.97	3,953.64	4,379.31	425.67
283.20	87.44	117.90	274.40	44.65	3,286.16	3,773.20	487.04
918.05	777.48	591.30	869.39	223.95	11,204.18	12,614.15	1,409.97
8,806.56	8,288.85	6,742.80	9,038.75	2,553.79	115,423.68	116,874.50	1,450.82

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interm rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Brussels.....	42.00	42.00	41,179.15	135.9	900.14	1,562.86	1,766.20
Burford.....	30.50	30.50	48,074.48	226.1	1,497.59	1,371.26	2,072.36
Burgessville.....	48.00	48.00	13,752.33	45.0	298.06	489.85	588.34
Caledonia.....	27.50	27.50	67,291.60	320.0	2,119.54	1,704.32	2,899.78
Campbellville....	50.00	50.00	12,718.93	37.4	247.72	546.77	548.43
Cannington.....	40.00	40.00	43,831.62	177.5	1,175.68	1,649.84	1,886.97
Cardinal.....	30.00	30.00	57,391.99	283.1	1,875.13	1,321.03	2,479.23
Carleton Place....	28.00	28.00	357,106.95	1,765.9	11,696.57	7,003.61	15,460.67
Cayuga.....	39.00	39.00	35,297.09	110.6	732.57	1,087.10	1,517.63
Chatham.....	26.50	26.50	1,230,106.31	6,190.6	41,003.90	32,696.03	53,072.50
Chatsworth.....	40.00	40.00	21,838.36	75.4	499.42	650.13	946.61
Chesley.....	35.50	35.50	123,074.91	512.2	3,392.60	3,205.09	5,283.14
Chesterville.....	33.00	33.00	60,490.92	256.1	1,696.30	1,453.11	2,626.71
Chippawa.....	21.50	21.50	46,890.40	305.7	2,024.83	1,177.41	2,024.16
Clifford.....	46.00	46.00	33,276.72	99.0	655.73	1,232.92	1,435.44
Clinton.....	32.50	32.50	148,856.00	621.9	4,119.20	4,126.71	6,411.77
Cobden.....	52.00	52.00	29,535.81	81.4	539.16	1,073.54	1,269.00
Cobourg.....	31.00	31.00	429,341.24	2,202.3	14,587.10	11,963.68	18,531.76
Colborne.....	33.50	33.50	47,452.74	201.8	1,336.64	1,228.42	2,053.76
Coldwater.....	35.00	35.00	30,128.14	117.3	776.95	876.24	1,314.78
Collingwood.....	36.00	36.00	536,724.38	2,556.3	16,931.84	14,179.52	23,098.83
Comber.....	40.00	40.00	39,061.02	138.8	919.35	1,493.58	1,677.89
Cookstown.....	45.00	45.00	23,258.30	83.0	549.76	667.36	998.74
Cottam.....	38.00	38.00	19,958.18	70.0	463.65	761.12	854.97
Courtright.....	52.00	52.00	15,827.76	43.8	290.11	450.73	680.90
Creemore.....	45.00	45.00	37,836.47	134.3	889.55	1,417.25	1,633.01
Dashwood.....	38.00	38.00	28,255.28	101.3	670.97	736.83	1,221.30
Delaware.....	31.00	31.00	14,264.46	67.1	444.44	480.96	614.11
Delhi.....	31.00	31.00	112,138.72	465.6	3,083.94	3,144.33	4,840.13
Deseronto.....	43.00	43.00	50,820.31	191.1	1,265.77	1,641.13	2,194.11
Dorchester.....	33.00	33.00	24,339.04	97.5	645.80	802.50	1,050.72
Drayton.....	48.00	48.00	48,858.75	127.2	842.52	1,639.97	2,110.89
Dresden.....	35.00	35.00	100,499.09	405.9	2,688.51	2,966.62	4,333.85
Drumbo.....	35.00	35.00	23,351.58	99.6	659.71	811.05	1,003.68
Dublin.....	44.00	44.00	15,472.59	48.6	321.91	597.48	668.27
Dundalk.....	37.00	37.00	53,995.25	241.5	1,599.59	1,857.03	2,337.65
Dundas.....	22.50	22.50	510,381.85	2,886.9	19,121.59	10,739.04	22,024.83
Dunnville.....	25.00	25.00	243,328.65	1,197.2	7,929.74	5,224.18	10,356.73
Durham.....	39.00	39.00	88,224.67	376.6	2,494.44	3,051.51	3,808.18
Dutton.....	32.50	32.50	57,038.04	244.0	1,616.15	1,831.24	2,460.30

SYSTEM

S. O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
426.78	133.99	203.85	429.15	77.21	5,345.76	5,705.70	359.94
411.35	161.53	339.15	500.12	128.45	6,224.91	6,896.05	671.14
144.62	43.19	67.50	143.62	25.57	1,749.61	2,161.60	411.99
571.40	226.81	480.00	697.68	181.80	8,517.73	8,799.30	281.57
140.05	39.74	56.10	132.93	21.25	1,690.49	1,871.67	181.18
539.63	405.06	266.25	455.31	100.84	6,277.90	7,101.64	823.74
607.26	542.84	424.65	596.96	160.83	7,686.27	8,493.50	807.23
3,770.16	3,315.60	2,648.85	3,714.31	1,003.24	46,606.53	49,444.09	2,837.56
378.08	112.20	165.90	367.91	62.83	4,298.56	4,312.44	13.88
9,684.00	4,056.97	9,285.90	12,760.22	3,516.98	159,042.54	164,051.41	5,008.87
295.16	193.14	113.10	228.13	42.84	2,882.85	3,014.33	131.48
1,474.62	1,165.65	768.30	1,270.39	290.99	16,268.80	18,182.50	1,913.70
720.80	511.65	384.15	630.29	145.49	7,877.52	8,449.81	572.29
310.07	138.86	458.55	485.18	173.67	6,445.39	6,572.73	127.34
357.73	105.32	148.50	346.66	56.24	4,226.06	4,554.75	328.69
1,359.24	479.40	932.85	1,547.04	353.31	18,622.90	20,212.29	1,589.39
434.51	192.16	122.10	308.48	46.24	3,892.71	4,230.63	337.92
4,379.63	4,143.43	3,303.45	4,462.56	1,251.16	60,120.45	68,270.78	8,150.33
563.55	420.98	302.70	494.33	114.65	6,285.73	6,760.01	474.28
382.27	279.80	175.95	314.40	66.64	4,053.75	4,106.68	52.93
5,934.74	5,483.48	3,834.45	5,590.15	1,452.27	73,600.74	92,026.62	18,425.88
393.23	125.23	208.20	406.99	78.85	5,145.62	5,550.34	404.72
308.14	200.63	124.50	242.29	47.15	3,044.27	3,736.16	691.89
196.97	64.77	105.00	207.48	39.77	2,614.19	2,660.63	46.44
175.77	50.42	65.70	165.50	24.88	1,854.25	2,276.32	422.07
504.50	318.51	201.45	395.16	76.30	5,283.13	6,045.41	762.28
284.73	91.00	151.95	294.79	57.55	3,394.02	3,848.14	454.12
121.84	47.96	100.65	148.39	38.12	1,920.23	2,079.36	159.13
1,039.22	368.24	698.40	1,168.25	264.51	14,078.00	14,434.12	356.12
651.83	417.59	286.65	530.33	108.57	6,878.84	8,218.03	1,339.19
231.20	79.94	146.25	253.65	55.39	3,154.67	3,218.07	63.40
551.19	158.79	190.80	509.67	72.26	5,931.57	6,106.00	174.43
932.62	333.89	608.85	1,045.61	230.60	12,679.35	14,205.28	1,525.93
213.44	76.20	149.40	242.94	56.58	3,099.84	3,484.84	385.00
163.83	56.26	72.90	161.34	27.61	2,014.38	2,137.65	123.27
626.35	535.07	362.25	562.69	137.20	7,743.43	8,934.77	1,191.34
3,699.60	1,607.71	4,330.35	5,272.58	1,640.10	65,155.60	64,954.15	(201.45)
2,055.86	663.42	1,795.80	2,490.90	680.14	29,836.49	29,930.47	93.98
1,057.22	838.44	564.90	919.85	213.95	12,520.59	14,686.96	2,166.37
519.58	191.27	366.00	593.36	138.62	7,439.28	7,930.70	491.42

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interm rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
East York Twp...	27.50	27.50	1,472,262.77	7,577.2	50,188.15	31,278.45	63,394.23
Elmira.....	29.00	29.00	249,384.23	1,182.2	7,830.39	8,015.25	10,779.09
Elmvale.....	39.50	39.50	36,306.63	162.0	1,073.02	1,577.63	1,568.06
Elmwood.....	42.50	42.50	19,062.87	58.5	387.48	737.17	831.21
Elora.....	31.50	31.50	104,536.83	443.0	2,934.24	2,597.71	4,509.94
Embro.....	37.00	37.00	35,089.60	137.3	909.42	911.75	1,509.50
Erieau.....	48.00	48.00	33,117.06	98.7	653.75	1,005.59	1,417.53
Erie Beach.....	52.00	52.00	6,213.99	16.5	109.29	292.64	269.12
Essex.....	31.50	31.50	134,209.72	560.4	3,711.85	2,926.15	5,761.74
Etobicoke Twp...	23.50	23.50	1,345,466.75	7,151.6	47,369.16	32,421.11	58,453.72
Exeter.....	32.00	32.00	156,911.24	650.9	4,311.28	4,078.97	6,774.70
Fergus.....	30.50	30.50	279,374.00	1,254.2	8,307.29	6,699.15	12,028.60
Finch.....	41.00	41.00	26,674.61	90.2	597.45	863.30	1,155.62
Flesherton.....	45.00	45.00	14,477.12	54.2	359.00	719.14	625.63
Fonthill.....	29.50	29.50	35,482.80	167.9	1,112.10	1,045.01	1,529.32
Forest.....	38.00	38.00	139,198.18	520.6	3,448.23	4,704.47	6,072.98
Forest Hill.....	24.50	24.50	1,119,624.23	6,325.1	41,894.77	24,109.14	48,297.38
Galt.....	24.00	24.00	2,019,936.03	11,134.3	73,748.87	46,286.10	87,494.15
Georgetown.....	30.50	30.50	378,218.66	1,642.7	10,880.55	9,712.16	16,320.34
Glencoe.....	46.00	46.00	62,473.08	182.4	1,208.14	2,211.94	2,681.97
Goderich.....	35.00	35.00	409,373.15	1,544.2	10,228.12	10,456.76	17,641.18
Grand Valley.....	51.00	51.00	39,546.86	126.5	837.88	1,728.99	1,743.62
Granton.....	40.00	40.00	18,416.00	65.2	431.86	702.34	792.00
Gravenhurst.....	25.00	25.00	196,128.62	1,075.2	7,121.67	5,188.48	8,523.63
Grimsby.....	26.00	26.00	167,019.34	804.7	5,329.99	4,252.09	7,243.45
Guelph.....	23.50	23.50	1,964,538.56	10,843.3	71,821.41	47,790.32	85,254.63
Hagersville.....	28.50	28.50	216,309.06	935.9	6,199.00	4,724.11	9,336.92
Hamilton.....	22.00	22.00	26,011,558.28	152,621.6	1,010,900.58	527,790.82	1,124,057.03
Hanover.....	32.00	32.00	272,541.83	1,354.9	8,974.28	7,057.34	11,821.78
Harriston.....	37.50	37.50	118,109.53	437.8	2,899.80	3,722.39	5,079.04
Harrow.....	33.50	33.50	127,498.97	489.6	3,242.90	3,046.43	5,477.11
Hastings.....	41.00	41.00	28,005.69	101.8	674.28	971.62	1,210.03
Havelock.....	45.00	45.00	42,753.56	121.1	802.11	1,348.76	1,852.56
Hensall.....	41.00	41.00	58,167.76	184.5	1,222.05	1,502.40	2,501.21
Hespeler.....	24.50	24.50	488,749.06	2,703.6	17,907.50	11,544.42	21,139.48
Highgate.....	40.00	40.00	24,491.66	90.1	596.78	864.95	1,050.15
Holstein.....	62.00	62.00	7,306.31	15.4	102.00	284.62	317.06
Humberstone.....	24.50	24.50	100,122.49	529.6	3,507.85	2,318.77	4,323.78
Huntsville.....	28.00	28.00	250,744.53	1,110.3	7,354.16	6,203.96	10,966.20
Ingersoll.....	25.50	25.50	617,145.17	3,164.6	20,960.97	14,321.21	26,732.88

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
11,163.73	4,668.77	11,365.80	15,302.08	4,304.73	183,056.48	208,372.07	25,315.59
2,108.55	820.16	1,773.30	2,591.73	671.63	33,246.84	34,283.78	1,036.94
419.66	362.38	243.00	377.20	92.03	5,528.92	6,397.34	868.42
271.39	160.94	87.75	199.31	33.23	2,642.02	2,487.32	(154.70)
963.38	352.86	664.50	1,089.04	251.68	12,859.99	13,953.94	1,093.95
338.18	119.06	205.95	365.86	78.00	4,281.72	5,080.72	799.00
356.97	102.42	148.05	345.64	56.07	3,973.88	4,737.60	763.72
69.85	18.82	24.75	64.93	9.37	840.03	857.57	17.54
1,193.36	454.58	840.60	1,391.77	318.37	15,961.68	17,652.55	1,690.87
10,458.74	4,412.67	10,727.40	13,976.48	4,062.94	173,756.34	168,063.18	(5,693.16)
1,459.88	519.04	976.35	1,634.67	369.79	19,385.10	20,828.82	1,443.72
2,478.71	919.31	1,881.30	2,908.60	712.53	34,510.43	38,253.11	3,742.68
361.25	193.62	135.30	278.53	51.24	3,533.83	3,699.23	165.40
187.76	125.98	81.30	151.13	30.79	2,219.15	2,436.87	217.72
311.46	119.22	251.85	369.22	95.39	4,642.79	4,954.04	311.25
1,380.64	481.90	780.90	1,469.79	295.76	18,043.15	19,784.38	1,741.23
7,654.75	3,395.10	9,487.65	11,623.76	3,593.39	142,869.16	154,965.35	12,096.19
15,088.07	6,464.17	16,701.45	20,975.21	6,325.57	260,432.45	267,223.18	6,790.73
3,431.11	1,234.76	2,464.05	3,939.15	933.24	47,048.88	50,103.67	3,054.79
678.76	198.55	273.60	652.17	103.62	7,801.51	8,391.18	589.67
3,971.55	1,286.41	2,316.30	4,260.10	877.29	49,283.13	54,048.11	4,764.98
568.79	316.84	189.75	421.47	71.87	5,735.47	6,450.67	715.20
186.70	60.00	97.80	192.16	37.04	2,425.82	2,606.34	180.52
1,896.12	2,225.99	1,612.80	2,035.32	610.84	27,993.17	26,880.01	(1,113.16)
1,447.15	532.06	1,207.05	1,737.53	457.16	21,292.16	20,923.36	(368.80)
14,667.69	6,385.34	16,264.95	20,399.55	6,160.24	256,423.65	254,817.93	(1,605.72)
1,963.71	726.21	1,403.85	2,245.87	531.70	26,067.97	26,674.31	606.34
181,716.04	81,612.12	228,932.40	268,968.57	86,706.71	3,337,270.85	3,357,674.05	20,403.20
2,908.48	2,907.52	2,032.35	2,838.09	769.74	37,770.10	43,355.24	5,585.14
1,146.26	393.11	656.70	1,227.11	248.72	14,875.69	16,416.17	1,540.48
1,196.27	437.03	734.40	1,323.82	278.15	15,179.81	16,401.60	1,221.79
365.64	220.59	152.70	292.20	57.83	3,829.23	4,173.83	344.60
623.73	286.01	181.65	446.98	68.80	5,473.00	5,450.19	(22.81)
619.16	181.34	276.75	607.52	104.82	6,805.61	7,563.84	758.23
3,637.75	1,565.30	4,055.40	5,074.96	1,535.96	63,388.85	66,237.64	2,848.79
239.77	79.34	135.15	255.09	51.19	3,170.04	3,604.02	433.98
117.20	43.54	23.10	76.56	8.75	955.33	955.33	.....
805.15	339.21	794.40	1,037.04	300.87	12,825.33	12,974.68	149.35
2,922.29	2,425.21	1,665.45	2,609.45	630.78	33,515.94	31,088.85	(2,427.09)
4,920.32	2,013.33	4,746.90	6,414.76	1,797.86	78,312.51	80,696.46	2,383.95

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interm rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Iroquois.....	27.50	27.50	40,333.56	215.5	1,427.38	1,018.17	1,745.85
Jarvis.....	35.50	35.50	53,601.64	188.0	1,245.23	1,385.43	2,308.83
Kemptville.....	35.00	35.00	90,682.70	348.5	2,308.32	2,103.15	3,920.84
Kincardine.....	42.00	42.00	195,027.62	701.5	4,646.44	5,692.62	8,419.56
Kingston.....	28.00	28.00	2,203,774.03	12,896.9	85,423.58	48,646.54	95,058.99
Kingsville.....	32.50	32.50	139,503.93	540.1	3,577.39	3,078.36	5,997.77
Kirkfield.....	55.00	55.00	9,794.00	24.4	161.62	327.98	423.90
Kitchener.....	23.50	23.50	4,584,618.60	25,421.0	168,377.89	99,791.87	198,409.32
Lakefield.....	35.00	35.00	61,595.56	333.0	2,205.65	1,600.95	2,619.20
Lambeth.....	36.00	34.00	28,944.63	114.8	760.39	765.68	1,241.04
Lanark.....	40.00	40.00	23,661.07	73.5	486.83	625.55	1,026.60
Lancaster.....	52.00	52.00	17,830.80	40.3	266.93	451.37	770.92
LaSalle.....	32.50	32.50	53,816.00	227.1	1,504.21	1,446.41	2,320.59
Leamington.....	32.50	32.50	384,787.17	1,489.7	9,867.14	8,380.56	16,529.49
Lindsay.....	33.00	33.00	758,431.36	3,713.3	24,595.32	20,172.58	32,715.34
Listowel.....	30.50	30.50	317,418.31	1,391.5	9,216.70	9,492.21	13,676.69
London.....	23.00	23.00	6,851,422.81	37,567.5	248,831.14	151,529.00	297,293.70
London Township	28.50	28.50	107,879.65	514.5	3,407.83	2,731.24	4,655.15
Long Branch.....	25.50	25.50	229,452.93	1,216.8	8,059.57	5,568.31	9,924.53
Lucan.....	31.50	31.50	41,556.08	180.4	1,194.89	1,202.49	1,792.95
Lucknow.....	48.00	48.00	108,858.88	348.9	2,310.97	3,465.06	4,704.46
Lynden.....	32.00	32.00	24,491.61	104.5	692.16	761.83	1,049.51
Madoc.....	45.00	45.00	49,183.17	180.7	1,196.88	2,252.97	2,127.36
Markdale.....	37.00	37.00	39,122.23	177.5	1,175.68	1,468.01	1,690.79
Markham.....	31.50	31.50	76,116.28	338.1	2,239.43	1,802.43	3,281.52
Marmora.....	38.00	38.00	31,599.33	122.3	810.06	853.91	1,365.05
Martintown.....	38.00	38.00	8,843.53	33.4	221.23	316.70	381.61
Maxville.....	47.00	47.00	34,914.93	88.1	583.54	828.16	1,504.63
Meaford.....	39.00	39.00	159,203.16	667.4	4,420.57	5,343.99	6,858.23
Merlin.....	38.00	38.00	23,010.85	84.1	557.04	636.74	985.48
Merritton.....	20.00	20.00	1,696,446.37	10,864.2	71,959.84	36,297.77	73,607.31
Midland.....	31.50	31.50	822,940.58	4,271.7	28,293.92	22,237.12	35,650.16
Mildmay.....	42.00	42.00	35,364.29	129.4	857.09	1,093.38	1,526.69
Millbrook.....	40.00	40.00	20,539.15	81.8	541.81	485.85	882.95
Milton.....	28.50	28.50	281,030.81	1,399.3	9,268.37	8,257.54	12,127.73
Milverton.....	30.50	30.50	86,060.29	368.6	2,441.45	2,524.47	3,715.10
Mimico.....	22.50	22.50	429,609.81	2,436.2	16,136.35	10,631.75	18,659.16
Mitchell.....	29.50	29.50	147,139.97	682.8	4,522.58	4,108.72	6,338.87
Moorefield.....	52.00	52.00	18,887.90	46.1	305.35	760.67	814.20
Morrisburg.....	32.50	32.50	57,027.51	262.4	1,738.03	1,288.14	2,464.14

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
395.18	397.58	323.25	419.09	122.43	5,604.07	5,927.61	323.54
546.72	177.56	282.00	558.03	106.81	6,396.99	6,674.00	277.01
1,148.19	716.72	522.75	945.80	197.99	11,467.78	12,195.74	727.96
2,583.09	1,640.32	1,052.25	2,036.58	398.53	25,672.33	29,464.05	3,791.72
19,448.85	22,741.51	19,345.35	22,869.58	7,326.93	306,207.47	361,113.19	54,905.72
1,302.46	481.09	810.15	1,448.30	306.84	16,388.68	17,554.61	1,165.93
150.05	65.58	36.60	102.54	13.86	1,254.41	1,342.92	88.51
33,671.45	14,737.66	38,131.50	47,538.96	14,442.07	586,216.58	597,392.33	11,175.75
595.76	607.81	499.50	639.77	189.18	8,579.46	11,100.08	2,520.62
276.52	93.34	172.20	301.68	65.22	3,545.63	3,947.84	402.21
332.88	165.34	110.25	247.24	41.76	2,952.93	2,940.65	(12.28)
279.66	102.46	60.45	186.71	22.90	2,095.60	2,095.60	.....
478.33	183.69	340.65	560.31	129.02	6,705.17	7,379.94	674.77
3,592.59	1,267.10	2,234.55	3,994.79	846.32	45,019.90	48,414.39	3,394.49
8,074.87	6,996.88	5,569.95	7,887.81	2,109.58	103,903.17	122,539.07	18,635.90
2,773.52	1,067.92	2,087.25	3,289.71	790.53	40,813.47	42,441.52	1,628.05
51,177.50	22,249.51	56,351.25	71,124.32	21,342.68	877,213.74	864,051.35	(13,162.39)
911.70	358.62	771.75	1,122.07	292.30	13,666.06	14,662.55	996.49
1,791.20	750.73	1,825.20	2,383.66	691.28	29,611.92	31,028.22	1,416.30
375.62	142.53	270.60	432.71	102.49	5,309.30	5,681.32	372.02
1,521.92	860.43	523.35	1,137.80	198.22	14,325.77	16,745.20	2,419.43
224.00	81.10	156.75	254.09	59.37	3,160.07	3,344.01	183.94
638.61	391.48	271.05	513.19	102.66	7,288.88	8,131.54	842.66
449.09	385.79	266.25	407.64	100.84	5,742.41	6,567.20	824.79
653.20	248.55	507.15	792.64	192.08	9,332.84	10,649.12	1,316.28
398.45	267.08	183.45	329.55	69.48	4,138.07	4,646.45	508.38
113.11	70.07	50.10	92.26	18.98	1,226.10	1,268.70	42.60
530.08	216.64	132.15	365.36	50.05	4,110.51	4,139.67	29.16
1,930.65	1,493.43	1,001.10	1,660.18	379.16	22,328.99	26,029.80	3,700.81
226.06	77.52	126.15	239.68	47.78	2,800.89	3,196.13	395.24
11,160.06	5,156.71	16,296.30	17,577.02	6,172.12	225,882.89	217,282.99	(8,599.90)
8,436.27	8,840.05	6,407.55	8,561.67	2,426.82	115,999.92	134,558.34	18,558.42
464.26	308.46	194.10	369.24	73.51	4,739.71	5,432.70	692.99
254.52	172.80	122.70	214.11	46.47	2,628.27	3,271.35	643.08
2,317.30	871.16	2,098.95	2,921.91	794.96	37,068.00	39,881.23	2,813.23
764.37	295.08	552.90	892.26	209.41	10,976.22	11,240.87	264.65
3,139.41	1,362.71	3,654.30	4,458.77	1,384.04	56,658.41	54,814.89	(1,843.52)
1,247.95	485.69	1,024.20	1,526.96	387.91	18,867.06	20,142.90	1,275.84
217.47	60.50	69.15	197.14	26.19	2,398.29	2,399.37	1.08
639.50	521.81	393.60	593.66	149.07	7,489.81	8,527.28	1,037.47

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interm rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Mount Brydges..	35.00	34.00	21,143.21	92.0	609.37	738.72	906.70
Mount Forest....	44.00	44.00	133,516.95	470.9	3,119.04	5,013.18	5,747.08
Napanee.....	30.00	30.00	236,072.65	1,275.3	8,447.04	7,104.29	10,215.30
Neustadt.....	55.00	55.00	10,995.80	43.8	290.11	468.25	464.13
Newbury.....	45.00	45.00	8,790.09	30.2	200.03	388.16	376.73
Newcastle.....	33.50	33.50	40,787.56	173.3	1,147.87	905.64	1,763.89
New Hamburg....	29.50	29.50	122,494.46	563.7	3,733.71	2,983.88	5,274.23
New Toronto....	25.50	25.50	2,240,068.54	11,396.5	75,485.57	57,363.72	97,078.01
Niagara Falls....	17.00	*17.75	1,269,825.29	9,878.3	65,429.66	27,359.04	55,137.66
Niagara-on-the-Lake.....	22.50	22.50	127,920.97	809.6	5,362.45	3,553.56	5,520.68
North York Twp.	27.50	27.50	1,890,030.61	9,608.4	63,641.96	44,021.72	81,539.52
Norwich.....	30.50	30.50	91,073.72	404.4	2,678.57	2,302.09	3,929.11
Norwood.....	35.50	35.50	27,319.81	123.4	817.35	1,007.18	1,180.47
Oil Springs.....	37.50	37.50	47,089.37	183.8	1,217.41	1,532.53	2,032.10
Omeme.....	35.00	35.00	39,064.32	167.5	1,109.45	998.29	1,685.91
Orangeville.....	43.00	43.00	189,684.62	699.9	4,635.84	7,235.99	8,199.21
Orono.....	38.00	38.00	24,035.28	85.7	567.64	787.64	1,039.12
Oshawa.....	30.50	30.50	3,385,677.01	16,796.3	111,251.55	88,245.87	146,377.11
Ottawa (11,000-volt)....			964.71	19,797.8	217,775.25	137.68	41.86
Ottawa.....	20.50	20.50	2,189,601.37	14,646.6	97,012.85	47,567.01	95,586.80
Otterville.....	38.00	38.00	25,675.60	96.7	640.50	696.84	1,102.43
Owen Sound.....	32.00	32.00	1,163,609.20	5,541.3	36,703.22	28,692.41	50,474.11
Paisley.....	47.00	47.00	35,855.99	105.8	700.77	1,135.28	1,549.65
Palmerston.....	33.00	33.00	142,814.34	556.8	3,688.01	4,554.69	6,166.95
Paris.....	24.50	24.50	330,453.50	1,776.0	11,763.47	7,520.81	14,303.93
Parkhill.....	48.00	48.00	64,370.95	182.0	1,205.49	1,945.14	2,754.10
Penetanguishene..	35.00	35.00	208,853.07	977.9	6,477.19	5,559.26	9,014.54
Perth.....	28.00	28.00	329,982.50	1,681.5	11,137.54	6,911.28	14,272.91
Peterborough....	26.00	26.00	1,979,098.80	11,672.4	77,313.01	43,405.86	85,714.20
Petrolia.....	34.00	34.00	264,395.31	1,102.1	7,299.84	7,817.27	11,391.31
Picton.....	38.00	38.00	285,070.05	1,127.7	7,469.41	7,073.54	12,321.15
Plattsville.....	42.00	42.00	35,693.32	128.9	853.78	1,140.24	1,523.37
Point Edward....	32.00	32.00	347,475.03	1,626.1	10,770.59	13,370.51	14,999.21
Port Colborne....	24.50	24.50	416,389.32	2,202.5	14,588.42	8,987.04	17,973.18
Port Credit.....	28.00	28.00	164,416.94	841.0	5,570.43	4,281.03	7,080.19
Port Dalhousie...	25.50	25.50	181,706.34	1,000.5	6,626.89	4,745.40	7,847.22
Port Dover.....	32.50	32.50	108,515.31	431.3	2,856.75	2,721.97	4,688.47
Port Elgin.....	39.00	39.00	129,426.67	474.9	3,145.54	3,326.44	5,609.11
Port Hope.....	31.00	31.00	455,453.69	2,375.6	15,734.96	14,722.82	19,702.96
Port McNicoll....	37.00	37.00	20,433.01	87.2	577.58	651.80	884.84

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
190.81	69.73	138.00	220.15	52.27	2,821.21	3,143.56	322.35
1,777.83	1,113.30	706.35	1,390.20	267.53	18,599.45	20,717.90	2,118.45
2,286.27	2,359.60	1,912.95	2,452.60	724.52	34,053.53	38,259.50	4,205.97
137.74	99.45	65.70	114.76	24.88	1,615.26	2,410.38	795.12
89.09	28.99	45.30	91.63	17.16	1,202.77	1,358.26	155.49
484.69	358.21	259.95	424.89	98.45	5,246.69	5,805.56	558.87
1,059.15	401.73	845.55	1,273.53	320.24	15,251.54	16,628.66	1,377.12
18,141.55	7,526.50	17,094.75	23,283.76	6,474.53	289,499.33	290,610.96	1,111.63
6,338.80	3,389.27	14,817.45	13,094.44	5,612.02	179,954.30	172,220.42	(7,733.88)
877.25	338.87	1,214.40	1,324.32	459.95	17,731.58	18,216.21	484.63
14,460.71	6,006.31	14,412.60	19,645.94	5,458.68	238,270.08	264,230.30	25,960.22
811.91	306.77	606.60	948.30	229.75	11,353.60	12,332.93	979.33
310.66	250.81	185.10	284.40	70.11	3,965.86	4,381.31	415.45
447.65	164.05	275.70	490.98	104.42	6,056.00	6,892.54	836.54
461.31	342.16	251.25	406.90	95.16	5,160.11	5,863.09	702.98
2,479.24	1,623.02	1,049.85	1,980.35	397.62	26,805.88	30,093.51	3,287.63
316.99	186.80	128.55	250.82	48.69	3,228.87	3,256.62	27.75
35,626.51	31,617.69	25,194.45	35,205.75	9,542.24	463,976.69	512,288.44	48,311.75
19.30	4.82	.....	10.16	.....	217,989.07	217,989.07	.....
15,965.20	24,763.21	21,969.90	22,674.73	8,320.96	317,218.74	300,254.59	(16,964.15)
252.61	83.11	145.05	267.81	54.94	3,133.41	3,673.03	539.62
12,868.42	11,909.41	8,311.95	12,119.70	3,148.11	157,931.11	177,322.57	19,391.46
518.42	270.78	158.70	374.99	60.11	4,648.48	4,973.01	324.53
1,346.82	485.35	835.20	1,482.75	316.33	18,243.44	18,373.88	130.44
2,523.60	1,065.24	2,664.00	3,431.74	1,008.97	42,263.82	43,510.78	1,246.96
715.65	200.67	273.00	672.90	103.40	7,663.55	8,736.80	1,073.25
2,340.50	2,102.06	1,466.85	2,175.44	555.56	28,580.28	34,226.09	5,645.81
3,388.82	3,139.94	2,522.25	3,430.89	955.29	43,848.34	47,080.60	3,232.26
17,283.46	20,542.13	17,508.60	20,530.37	6,631.27	275,666.36	303,483.59	27,817.23
2,414.79	909.43	1,653.15	2,754.91	626.12	33,614.58	37,768.58	4,154.00
3,547.08	2,272.26	1,691.55	2,971.88	640.66	36,706.21	42,850.69	6,144.48
357.08	112.08	193.35	371.16	73.23	4,477.83	5,414.85	937.02
2,923.49	1,176.88	2,439.15	3,615.87	923.81	48,371.89	52,036.00	3,664.11
3,348.45	1,410.72	3,303.75	4,312.84	1,251.27	52,673.13	53,961.02	1,287.89
1,325.42	544.92	1,261.50	1,708.86	477.79	21,294.56	23,547.53	2,252.97
1,409.98	576.43	1,500.75	1,887.02	568.40	24,025.29	25,512.47	1,487.18
1,032.24	358.89	646.95	1,131.03	245.03	13,191.27	14,018.59	827.32
1,696.64	1,104.39	712.35	1,351.31	269.80	16,675.98	18,522.74	1,846.76
4,570.82	4,426.10	3,563.40	4,732.93	1,349.62	66,104.37	73,643.36	7,538.99
244.89	199.47	130.80	213.04	49.54	2,852.88	3,226.10	373.22

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Port Perry	45.00	45.00	80,645.72	279.3	1,849.96	3,078.92	3,491.50
Port Rowan	40.00	40.00	25,611.28	90.4	598.77	756.22	1,098.68
Port Stanley	32.50	32.50	137,923.26	553.7	3,667.47	4,239.16	5,947.61
Prescott	26.50	26.50	263,263.90	1,334.2	8,837.17	5,361.57	11,431.20
Preston	24.00	24.00	730,820.26	4,105.7	27,194.41	17,023.92	31,634.75
Priceville	57.00	57.00	3,151.75	10.0	66.24	154.52	133.50
Princeton	40.50	40.50	38,986.87	129.6	858.42	1,183.78	1,679.52
Queenston	23.00	23.00	18,043.41	111.9	741.18	594.28	779.94
Richmond	47.00	47.00	22,534.28	63.8	422.58	710.40	971.16
Richmond Hill	29.00	29.00	95,429.60	448.5	2,970.67	2,222.10	4,111.80
Ridgetown	31.50	31.50	124,647.63	531.7	3,521.75	3,727.17	5,367.04
Ripley	62.00	62.00	38,778.95	101.7	673.62	1,408.12	1,665.36
Riverside	30.50	30.50	255,208.25	1,059.9	7,020.33	5,708.19	11,022.84
Rockwood	33.00	33.00	28,302.90	114.5	758.40	734.07	1,219.68
Rodney	42.00	42.00	42,162.77	136.2	902.13	1,503.31	1,816.07
Rosseau	62.00	62.00	24,032.62	33.2	219.90	(23.50)	1,042.34
Russell	46.00	46.00	20,738.60	57.7	382.18	587.21	901.36
St. Catharines	20.50	20.50	4,560,433.81	29,299.4	194,066.77	98,444.27	197,547.04
St. Clair Beach	35.50	35.50	21,243.45	78.8	521.93	621.07	916.81
St. George	35.50	35.50	36,941.42	137.9	913.39	1,143.50	1,594.63
St. Jacobs	28.50	28.50	60,987.19	299.3	1,982.44	1,779.51	2,627.61
St. Marys	30.50	30.50	309,628.06	1,446.3	9,579.68	11,457.12	13,352.16
St. Thomas	23.50	23.50	1,384,046.53	7,438.0	49,266.15	33,616.19	60,100.27
Sarnia	28.50	28.50	2,230,447.26	10,343.1	68,508.30	53,334.66	96,445.40
Scarborough Twp.	26.50	26.50	875,196.32	4,341.5	28,756.25	19,098.22	37,826.58
Seaforth	30.50	30.50	157,208.31	695.5	4,606.70	4,328.82	6,780.49
Shelburne	42.00	42.00	64,777.90	257.0	1,702.26	2,788.61	2,801.95
Simcoe	25.50	25.50	463,978.29	2,306.6	15,277.94	10,913.60	20,110.82
Smiths Falls	25.00	25.00	484,696.27	2,705.6	17,920.74	11,108.31	21,024.05
Smithville	35.00	33.00	37,542.53	160.2	1,061.10	901.64	1,609.85
Southampton	39.00	39.00	140,418.30	551.9	3,655.55	3,703.46	6,070.73
Springfield	40.00	40.00	18,200.12	60.9	403.38	586.87	795.41
Stamford Twp.	17.50	17.50	334,048.90	2,615.8	17,325.95	7,105.47	14,478.74
Stayner	38.00	38.00	63,383.45	265.7	1,759.88	2,117.15	2,743.69
Stirling	27.00	27.00	47,130.06	283.2	1,875.80	1,274.31	2,038.93

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,088.37	655.62	418.95	842.41	158.67	11,267.06	12,568.52	1,301.46
259.35	83.38	135.60	267.24	51.36	3,147.88	3,617.66	469.78
1,306.40	456.56	830.55	1,435.87	314.57	17,569.05	17,995.52	426.47
2,717.62	2,500.26	2,001.30	2,737.39	757.98	34,828.53	35,355.85	527.32
5,353.36	2,348.57	6,158.55	7,586.87	2,332.51	94,967.92	98,535.98	3,568.06
44.25	26.84	15.00	32.94	5.68	467.61	570.00	102.39
406.75	120.65	194.40	406.68	73.63	4,776.57	5,249.15	472.58
126.70	52.96	167.85	186.87	63.57	2,586.21	2,574.27	(11.94)
329.48	144.59	95.70	235.63	36.25	2,873.29	2,999.78	126.49
783.37	313.07	672.75	993.11	254.80	11,812.07	13,005.06	1,192.99
1,116.68	418.41	797.55	1,295.97	302.07	15,942.50	16,748.82	806.32
584.58	268.43	152.55	405.87	57.78	5,100.75	6,305.42	1,204.67
2,293.05	888.77	1,589.85	2,657.59	602.15	30,578.47	32,326.96	1,748.49
268.26	94.63	171.75	295.00	65.05	3,476.74	3,778.51	301.77
444.90	133.32	204.30	439.92	77.38	5,366.57	5,720.40	353.83
418.08	117.47	49.80	252.14	18.86	2,057.37	2,057.37	.....
304.59	133.06	86.55	216.87	32.78	2,579.04	2,651.90	72.86
29,916.15	13,805.38	43,949.10	47,247.63	16,645.45	608,330.89	600,636.64	(7,694.25)
204.51	71.64	118.20	221.49	44.77	2,630.88	2,795.62	164.74
365.20	124.02	206.85	385.27	78.34	4,654.52	4,896.93	242.41
501.58	202.48	448.95	633.51	170.04	8,006.04	8,528.62	522.58
2,576.30	1,058.76	2,169.45	3,213.60	821.66	42,585.49	44,111.98	1,526.49
10,518.61	4,534.74	11,157.00	14,352.87	4,225.64	179,320.19	174,793.76	(4,526.43)
18,899.38	7,524.51	15,514.65	23,212.81	5,876.08	277,563.63	294,779.71	17,216.08
6,873.37	2,791.07	6,512.25	9,102.40	2,466.47	108,493.67	115,048.85	6,555.18
1,381.13	514.80	1,043.25	1,632.57	395.12	19,892.64	21,211.98	1,319.34
812.89	591.80	385.50	675.85	146.01	9,612.85	10,792.34	1,179.49
3,774.97	1,501.01	3,459.90	4,823.44	1,310.42	58,551.26	58,818.77	267.51
4,527.57	4,917.20	4,058.40	5,033.32	1,537.09	67,052.50	67,641.03	588.53
352.48	131.22	240.30	391.09	91.01	4,596.67	5,343.73	747.06
1,771.86	1,251.32	827.85	1,465.18	313.54	18,432.41	21,522.15	3,089.74
193.21	57.43	91.35	192.70	34.60	2,285.75	2,437.34	151.59
1,645.46	890.26	3,923.70	3,444.23	1,486.08	47,327.73	45,776.66	(1,551.07)
768.66	610.71	398.55	660.96	150.95	8,908.65	10,096.47	1,187.82
401.83	497.11	424.80	488.89	160.89	6,840.78	7,647.11	806.33

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Stouffville.....	38.00	38.00	70,605.60	281.3	1,863.21	1,806.53	3,003.88
Stratford.....	25.50	25.50	1,386,530.08	6,959.6	46,097.43	35,117.23	59,978.53
Strathroy.....	29.50	29.50	304,264.75	1,459.8	9,669.10	7,101.09	13,098.03
Streetsville.....	32.00	32.00	45,518.28	222.3	1,472.42	1,614.46	1,954.65
Sunderland.....	50.00	50.00	23,155.66	71.5	473.59	1,007.45	996.75
Sutton.....	40.00	40.00	73,848.90	242.7	1,607.54	2,321.45	3,182.57
Swansea.....	28.00	28.00	513,406.68	2,941.2	19,481.26	20,772.64	22,121.70
Tara.....	42.00	42.00	28,327.21	98.7	653.75	780.89	1,226.49
Tavistock.....	30.00	30.00	144,719.14	636.7	4,217.23	3,863.63	6,240.91
Tecumseh.....	32.50	32.50	95,718.02	372.3	2,465.96	2,368.37	4,140.13
Teeswater.....	47.00	47.00	40,216.07	117.4	777.61	1,436.38	1,744.85
Thamesford.....	33.00	33.00	50,778.69	204.2	1,352.53	1,439.81	2,197.91
Thamesville.....	33.00	33.00	43,560.16	184.4	1,221.39	1,430.53	1,874.02
Thedford.....	49.00	49.00	35,525.04	99.1	656.40	1,524.99	1,545.55
Thorndale.....	44.00	44.00	24,712.80	76.7	508.03	1,056.19	1,062.10
Thornton.....	56.00	56.00	9,762.13	29.3	194.07	450.75	418.98
Thornold.....	21.00	21.00	390,599.13	2,360.9	15,637.60	12,154.48	16,983.05
Tilbury.....	32.00	32.00	309,761.20	1,385.6	9,177.63	8,768.26	13,321.91
Tillsonburg.....	28.50	28.50	258,388.20	1,224.5	8,110.57	6,155.64	11,156.23
Toronto.....	22.60	22.60	58,626,006.17	336,870.6	2,231,287.62	1,225,879.44	2,540,724.75
Toronto Twp....	27.50	27.50	585,710.58	2,907.8	19,260.03	15,639.94	25,339.32
Tottenham.....	62.00	62.00	38,812.03	87.3	578.24	1,340.55	1,673.22
Trafalgar Twp							
Area No. 1....	26.50	26.50	79,341.89	374.1	2,477.88	2,157.17	3,444.06
Trafalgar Twp..							
Area No. 2....	27.50	27.50	35,048.07	154.0	1,020.03	934.99	1,530.52
Trenton.....	24.00	24.00	774,422.85	4,900.8	32,460.82	16,308.90	33,615.43
Tweed.....	45.00	45.00	62,816.43	219.3	1,452.55	2,293.48	2,723.53
Uxbridge.....	45.00	45.00	94,509.83	316.1	2,093.71	3,366.00	4,084.78
Victoria Harbour	38.00	38.00	17,084.28	72.1	477.56	657.06	739.46
Walkerton.....	34.00	34.00	192,419.97	916.0	6,067.19	5,177.61	8,328.08
Wallaceburg....	30.50	30.50	806,257.15	3,596.1	23,819.04	20,867.66	34,712.02
Wardsville.....	50.00	50.00	10,565.96	33.7	223.21	464.31	448.64
Warkworth.....	38.00	38.00	17,417.45	64.5	427.22	466.22	756.39
Waterdown.....	27.50	27.50	43,320.52	222.4	1,473.08	1,132.61	1,861.96
Waterford.....	27.50	27.50	91,463.29	437.4	2,897.15	2,210.11	3,953.32
Waterloo.....	24.00	24.00	977,642.43	5,363.4	35,524.88	21,497.90	42,285.76

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private com- panies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
652.62	222.93	421.95	736.10	159.81	8,547.41	10,689.70	2,142.29
11,021.62	4,636.25	10,439.40	14,371.69	3,953.86	177,708.29	177,470.01	(238.28)
2,559.41	958.55	2,189.70	3,164.42	829.34	37,910.96	43,064.36	5,153.40
381.23	152.20	333.45	473.37	126.29	6,255.49	7,112.55	857.06
327.36	176.91	107.25	241.31	40.62	3,290.00	3,572.49	282.49
757.04	227.08	364.05	771.26	137.88	9,093.11	9,706.99	613.88
3,463.45	1,561.19	4,411.80	5,329.04	1,670.94	75,470.14	82,354.76	6,884.62
381.18	245.32	148.05	295.88	56.07	3,675.49	4,145.75	470.26
1,276.41	493.14	955.05	1,503.00	361.72	18,187.65	19,099.75	912.10
896.57	327.38	558.45	997.47	211.51	11,542.82	12,098.13	555.31
583.83	321.69	176.10	420.62	66.70	5,394.38	5,519.37	124.99
481.28	169.89	306.30	529.18	116.01	6,360.89	6,737.26	376.37
392.24	149.30	276.60	452.94	104.76	5,692.26	6,085.77	393.51
398.24	114.31	148.65	374.85	56.30	4,706.69	4,857.72	151.03
265.37	76.79	115.05	258.15	43.57	3,298.11	3,373.69	75.58
139.82	75.95	43.95	101.86	16.65	1,408.73	1,641.28	232.55
2,754.80	1,227.45	3,541.35	4,051.05	1,341.26	55,008.52	49,579.73	(5,428.79)
2,722.84	1,049.68	2,078.40	3,218.63	787.18	39,550.17	44,337.60	4,787.43
2,197.74	828.61	1,836.75	2,688.41	695.65	32,278.30	34,898.82	2,620.52
394,029.76	177,925.95	505,305.90	608,497.71	191,381.39	7,492,269.74	7,613,276.26	121,006.52
4,841.23	1,964.44	4,361.70	6,089.94	1,651.96	75,844.64	79,965.61	4,120.97
611.09	246.17	130.95	405.92	49.60	4,936.55	5,409.49	472.94
682.90	279.22	561.15	825.66	212.53	10,215.51	9,912.34	(303.17)
316.90	126.73	231.00	365.00	87.50	4,437.67	4,235.01	(202.66)
6,130.37	8,464.85	7,351.20	8,026.93	2,784.22	109,574.28	117,619.08	8,044.80
837.58	466.43	328.95	655.74	124.59	8,633.67	9,866.66	1,232.99
1,296.54	754.59	474.15	987.50	179.58	12,877.69	14,224.90	1,347.21
206.27	162.82	108.15	178.14	40.96	2,488.50	2,741.08	252.58
2,128.09	1,988.69	1,374.00	2,003.90	520.39	26,547.17	31,145.24	4,598.07
7,063.19	2,700.92	5,394.15	8,379.04	2,043.00	100,893.02	109,682.29	8,789.27
110.76	34.25	50.55	110.21	19.15	1,422.78	1,684.58	261.80
225.19	136.59	96.75	181.72	36.64	2,253.44	2,450.37	196.93
345.42	140.28	333.60	448.60	126.35	5,609.20	6,116.22	507.02
768.03	307.96	656.10	951.30	248.49	11,495.48	12,027.39	531.91
7,259.60	3,137.57	8,045.10	10,139.07	3,047.03	124,842.85	128,720.80	3,877.95

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay,

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interm rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1942	From Jan. 1, 1943			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Watford.....	39.00	39.00	98,555.07	369.5	2,447.41	3,044.32	4,225.33
Waubashene...	37.00	37.00	21,533.57	96.9	641.82	664.75	931.04
Welland.....	19.50	19.50	1,684,728.14	11,395.1	75,476.30	34,333.16	74,103.15
Wellesley.....	38.00	38.00	30,050.69	117.0	774.96	802.55	1,285.43
Wellington....	38.00	38.00	53,076.19	222.9	1,476.39	1,336.46	2,292.22
West Lorne....	35.50	35.50	53,964.92	213.0	1,410.82	1,910.98	2,328.08
Weston.....	23.00	23.00	837,009.49	4,634.1	30,694.31	17,565.82	36,410.52
Westport.....	52.00	52.00	40,311.44	85.2	564.33	738.13	1,748.71
Wheatley.....	42.00	42.00	61,933.19	181.9	1,204.83	1,577.41	2,660.16
Whitby.....	30.50	30.50	272,785.78	1,374.3	9,102.78	6,536.86	11,783.09
Wiaront.....	49.00	49.00	87,602.96	243.6	1,613.50	2,776.35	3,781.15
Williamsburg...	30.00	30.00	19,555.21	88.8	588.17	476.26	848.56
Winchester....	31.00	31.00	68,035.25	310.2	2,054.63	1,656.61	2,950.24
Windermere...	50.00	50.00	13,693.79	34.8	230.50	580.53	595.21
Windsor.....	26.00	26.00	10,157,403.71	48,888.7	323,817.96	202,413.81	439,609.56
Wingham.....	46.00	46.00	191,183.07	653.1	4,325.86	5,178.64	8,234.21
Woodbridge....	28.50	28.50	129,017.13	612.6	4,057.60	3,182.34	5,559.12
Woodstock....	24.50	24.50	1,489,855.74	8,014.1	53,081.99	34,530.50	64,507.08
Woodville.....	49.00	49.00	20,961.37	63.3	419.27	827.52	902.26
Wyoming.....	45.00	45.00	20,331.20	66.3	439.14	635.70	874.49
York Township.	25.50	25.50	3,675,076.78	19,262.8	127,588.60	75,063.79	158,800.78
Zurich.....	45.00	45.00	41,945.77	127.9	847.16	1,293.52	1,804.73
Ontario Reformatory.....			53,444.85	277.7	1,839.37	1,314.08	2,303.29
Toronto Transportation Comm..			132,854.52	738.1	4,888.86	3,162.77	5,692.06
Totals—Municipalities.....			192,103,879.44	1,071,993.6	7,187,072.87	4,309,598.81	8,316,022.27
Totals—Rural power district...			17,114,267.67	76,533.6	526,107.57	428,015.56	742,818.90
Totals—Companies.....			53,646,976.43	245,974.9	3,314,537.12	1,493,078.60	2,275,027.08
Totals—Local distribution sys...			995,021.65	3,085.9	20,439.69	51,076.18	42,935.20
			263,860,145.19				
Non-operating capital.....			365,878.99				
Grand totals.....			264,226,024.18	1,397,588.0	11,048,157.25	6,281,769.15	11,376,803.45

*Rates effective from April 1, 1943.

NOTE: Costs in excess of maximum interim rates have been credited in this statement under "Operation, maintenance and administrative expenses" as follows:

Arkona \$77.82; Holstein \$171.07; Lancaster \$101.44; Rosseau \$978.86; Westport \$208.73; Total—\$1,537.92.

SYSTEM

S.O.—COST OF POWER

and Eastern Ontario Divisions

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
958.28	331.58	554.25	1,028.00	209.92	12,379.25	14,409.89	2,030.64
248.69	218.57	145.35	224.39	55.05	3,019.56	3,586.84	567.28
10,940.46	4,934.68	17,092.65	17,682.98	6,473.74	228,089.64	222,204.37	(5,885.27)
289.23	97.79	175.50	313.04	66.47	3,672.03	4,446.95	774.92
635.71	446.56	334.35	552.98	126.63	6,948.04	8,468.61	1,520.57
516.18	178.55	319.50	561.91	121.01	7,105.01	7,562.78	457.77
5,858.98	2,543.07	6,951.15	8,692.18	2,632.70	106,083.33	106,585.05	501.72
644.50	229.98	127.80	422.76	48.40	4,427.81	4,427.81	.....
662.91	193.10	272.85	645.20	103.34	7,113.12	7,638.75	525.63
2,830.30	2,530.43	2,061.45	2,835.98	780.76	36,900.13	41,916.92	5,016.79
1,294.57	630.40	365.40	916.53	138.39	11,239.51	11,935.58	696.07
221.54	177.59	133.20	203.61	50.45	2,598.48	2,662.88	64.40
768.38	603.13	465.30	708.33	176.23	9,035.39	9,617.50	582.11
208.28	94.40	52.20	143.22	19.77	1,884.57	1,742.09	(142.48)
81,554.61	33,945.24	73,333.05	105,584.97	27,774.43	1,232,484.77	1,271,106.08	38,621.31
2,597.11	1,557.59	979.65	1,997.28	371.04	24,499.30	30,044.11	5,544.81
1,050.07	412.14	918.90	1,342.49	348.03	16,174.63	17,459.14	1,284.51
11,365.11	4,896.56	12,021.15	15,476.03	4,552.94	191,325.48	196,344.43	5,018.95
299.05	157.78	94.95	218.50	35.96	2,883.37	3,103.75	220.38
211.66	65.61	99.45	212.33	37.67	2,500.71	2,982.38	481.67
27,291.90	11,631.36	28,894.20	38,193.41	10,943.50	456,520.54	491,202.26	34,681.72
453.56	130.57	191.85	438.24	72.66	5,086.97	5,755.52	668.55
422.63	173.81	416.55	555.42	157.77	6,867.38	7,497.24	629.86
991.58	418.90	1,107.15	1,379.26	419.33	17,221.25	21,610.58	4,389.33
1,470,654.46	777,743.60	1,578,293.70	1,993,985.46	(597,768.80)	25,035,602.37	25,850,321.98	900,949.30 (86,229.69)
164,922.11	84,167.37	114,800.40	178,359.94	(43,479.93)	2,195,711.92	2,195,711.92	.....
460,796.62	7,184,268.41	.....	544,906.41	615,126.03	15,887,740.27	15,887,740.27	.....
13,021.92	5,302.50	.....	10,342.08	26,122.70	169,240.27	169,240.27	.....
2,109,395.11	8,051,481.88	1,693,094.10	2,727,593.89	.....	43,288,294.83	44,103,014.44	900,949.30 (86,229.69)

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Acton.....	Jan. 1913	2,737.17	.....
Agincourt.....	Nov. 1922	1,108.39	.....
Ailsa Craig.....	Jan. 1916	756.97	.....
Alexandria.....	Jan. 1921	948.26	.....
Alliston.....	June 1918	1,348.52	.....
Alvinston.....	April 1922	1,074.01	.....
Amherstburg.....	Nov. 1925	2,383.78	.....
Ancaster Township.....	May 1923	631.84	.....
Apple Hill.....	April 1921	224.19	.....
Arkona.....	Dec. 1926	312.32	.....
Arnprior.....	Jan. 1939	3,319.83	.....
Arthur.....	Dec. 1916	54.55	.....
Athens.....	Jan. 1929	346.77	.....
Aurora.....	April 1943	.....	.....
Aylmer.....	Mar. 1918	1,257.27	.....
Ayr.....	Jan. 1915	.....	409.15
Baden.....	May 1912	1,017.04	.....
Barrie.....	April 1913	5,380.92	.....
Bath.....	Nov. 1931	180.79	.....
Beachville.....	Aug. 1912	1,205.46	.....
Beamsville.....	May 1937	960.12	.....
Beaverton.....	Nov. 1914	83.02	.....
Beeton.....	Aug. 1918	823.81	.....
Belle River.....	Dec. 1922	422.37	.....
Belleville.....	April 1929	7,295.85	.....
Blenheim.....	Nov. 1915	1,480.29	.....
Bloomfield.....	April 1919	309.37	.....
Blyth.....	July 1924	575.30	.....
Bolton.....	Feb. 1915	1,000.59	.....
Bothwell.....	Sept. 1915	647.53	.....
Bowmanville.....	Oct. 1931	4,144.86	.....
Bradford.....	Oct. 1918	864.24	.....
Brampton.....	Nov. 1911	5,564.68	.....
Brantford.....	Feb. 1914	.....	1,455.20
Brantford Township.....	May 1924	135.99	.....
Brechin.....	Jan. 1915	144.47	.....
Bridgeport.....	Mar. 1928	398.55	.....
Brigden.....	Jan. 1918	624.14	.....
Brighton.....	Nov. 1929	707.07	.....
Brockville.....	April 1915	.....	3,294.60

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	2,737.17	2,140.96	.....	2,140.96	.....
.....	1,108.39	1,077.61	.....	1,077.61	.....
.....	756.97	442.52	.....	442.52	.....
.....	948.26	87.02	.....	87.02	.....
.....	1,348.52	2,925.85	.....	2,925.85	.....
.....	1,074.01	762.10	.....	762.10	.....
.....	2,383.78	1,861.46	.....	1,861.46	.....
.....	631.84	701.65	.....	701.65	.....
.....	224.19	69.06	.....	69.06	.....
.....	312.32	.....	.....	.....	.....
.....	3,319.83	4,494.97	.....	4,494.97	.....
.....	54.55	78.84	.....	78.84	.....
.....	346.77	191.81	.....	191.81	.....
.....	.....	779.14	.....	779.14	.....
.....	1,257.27	1,709.29	.....	1,709.29	.....
409.15	.....	.....	342.34	.....	342.34
.....	1,017.04	1,166.38	.....	1,166.38	.....
.....	5,380.92	18,539.94	.....	18,539.94	.....
.....	180.79	78.18	.....	78.18	.....
.....	1,205.46	1,057.87	.....	1,057.87	.....
.....	960.12	779.79	.....	779.79	.....
.....	83.02	509.61	.....	509.61	.....
.....	823.81	1,533.32	.....	1,533.32	.....
.....	422.37	308.01	.....	308.01	.....
.....	7,295.85	21,009.14	.....	21,009.14	.....
.....	1,480.29	1,308.56	.....	1,308.56	.....
.....	309.37	572.47	.....	572.47	.....
.....	575.30	108.36	.....	108.36	.....
.....	1,000.59	996.34	.....	996.34	.....
.....	647.53	352.69	.....	352.69	.....
.....	4,144.86	9,593.75	.....	9,593.75	.....
.....	864.24	1,470.84	.....	1,470.84	.....
.....	5,564.68	3,575.94	.....	3,575.94	.....
1,455.20	.....	3,872.55	.....	3,872.55	.....
.....	135.99	782.08	.....	782.08	.....
.....	144.47	201.78	.....	201.78	.....
.....	398.55	425.67	.....	425.67	.....
.....	624.14	487.04	.....	487.04	.....
.....	707.07	1,409.97	.....	1,409.97	.....
3,294.60	.....	1,450.82	.....	1,450.82	.....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Brussels.....	July 1924	784.24	.....
Burford.....	June 1915	591.94	.....
Burgessville.....	Nov. 1916	392.84	.....
Caledonia.....	Oct. 1912	424.08	.....
Campbellville.....	Jan. 1925	159.44	.....
Cannington.....	Nov. 1914	387.19	.....
Cardinal.....	July 1930	597.12	.....
Carleton Place.....	May 1919	1,434.21	.....
Cayuga.....	Nov. 1924	487.32	.....
Chatham.....	Feb. 1915	7,157.46	.....
Chatsworth.....	Dec. 1915	61.65	.....
Chesley.....	July 1916	246.37	.....
Chesterville.....	April 1914	.....	160.78
Chippawa.....	Sept. 1919	356.45	.....
Clifford.....	May 1924	175.67	.....
Clinton.....	Mar. 1914	1,285.65	.....
Cobden.....	Nov. 1925	520.20	.....
Cobourg.....	Jan. 1932	4,364.72	.....
Colborne.....	Jan. 1933	214.08	.....
Coldwater.....	Mar. 1913	.....	347.47
Collingwood.....	Mar. 1913	9,940.49	.....
Comber.....	May 1915	681.21	.....
Cookstown.....	May 1918	401.80	.....
Cottam.....	Nov. 1926	373.53	.....
Courtright.....	Dec. 1923	314.60	.....
Creemore.....	Nov. 1914	459.83	.....
Dashwood.....	Sept. 1917	235.59	.....
Delaware.....	Mar. 1915	224.58	.....
Delhi.....	May 1938	1,142.70	.....
Deseronto.....	Jan. 1931	555.27	.....
Dorchester.....	Dec. 1914	232.50	.....
Drayton.....	Mar. 1918	126.71	.....
Dresden.....	April 1915	869.68	.....
Drumbo.....	Dec. 1914	398.35	.....
Dublin.....	Oct. 1917	80.49	.....
Dundalk.....	Dec. 1915	323.34	.....
Dundas.....	Jan. 1911	121.81	.....
Dunnville.....	June 1918	1,611.46	.....
Durham.....	Dec. 1915	1,074.12	.....
Dutton.....	Sept. 1915	595.95	.....

SYSTEM

S.O.—CREDIT OF CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	784.24	359.94	.....	359.94	.....
.....	591.94	671.14	.....	671.14	.....
.....	390.84	411.99	.....	411.99	.....
.....	424.08	281.57	.....	281.57	.....
.....	159.44	181.18	.....	181.18	.....
.....	387.19	823.74	.....	823.74	.....
.....	597.12	807.23	.....	807.23	.....
.....	1,434.21	2,837.56	.....	2,837.56	.....
.....	487.32	13.88	.....	13.88	.....
.....	7,157.46	5,008.87	.....	5,008.87	.....
.....	61.65	131.48	.....	131.48	.....
.....	246.37	1,913.70	.....	1,913.70	.....
160.78	.....	572.29	.....	572.29	.....
.....	356.45	127.34	.....	127.34	.....
.....	175.67	328.69	.....	328.69	.....
.....	1,285.65	1,589.39	.....	1,589.39	.....
.....	520.20	337.92	.....	337.92	.....
.....	4,364.72	8,150.33	.....	8,150.33	.....
.....	214.08	474.28	.....	474.28	.....
347.47	.....	52.93	.....	52.93	.....
.....	9,940.49	18,425.88	.....	18,425.88	.....
.....	681.21	404.72	.....	404.72	.....
.....	401.80	691.89	.....	691.89	.....
.....	373.53	46.44	.....	46.44	.....
.....	314.60	422.07	.....	422.07	.....
.....	459.83	762.28	.....	762.28	.....
.....	235.59	454.12	.....	454.12	.....
.....	224.58	159.13	.....	159.13	.....
.....	1,142.70	356.12	.....	356.12	.....
.....	555.27	1,339.19	.....	1,339.19	.....
.....	232.50	63.40	.....	63.40	.....
.....	126.71	174.43	.....	174.43	.....
.....	869.68	1,525.93	.....	1,525.93	.....
.....	398.35	385.00	.....	385.00	.....
.....	80.49	123.27	.....	123.27	.....
.....	323.34	1,191.34	.....	1,191.34	.....
.....	121.81	.....	201.45	.....	201.45
.....	1,611.46	93.98	.....	93.98	.....
.....	1,074.12	2,166.37	.....	2,166.37	.....
.....	595.95	491.42	.....	491.42	.....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
East York Township.....	July 1925	22,398.01	
Elmira.....	Nov. 1913	1,185.16	
Elmvale.....	June 1913	155.23	
Elmwood.....	April 1918		176.41
Elora.....	Nov. 1914	1,186.29	
Embro.....	Jan. 1915	602.04	
Erieau.....	July 1924	788.56	
Erie Beach.....	July 1925	4.66	
Essex.....	Nov. 1923	1,572.68	
Etobicoke Township.....	Aug. 1917		5,862.24
Exeter.....	June 1916	1,477.37	
Fergus.....	Nov. 1914	4,306.48	
Finch.....	Feb. 1928	75.49	
Flesherton.....	Dec. 1915	139.30	
Fonthill.....	June 1926	481.13	
Forest.....	Mar. 1917	1,858.25	
Forest Hill.....	Jan. 1938	13,062.21	
Galt.....	May 1911	4,896.31	
Georgetown.....	Sept. 1913	4,138.49	
Glencoe.....	Aug. 1920	1,171.29	
Goderich.....	Feb. 1914	3,739.15	
Grand Valley.....	Dec. 1916	368.95	
Granton.....	July 1916	329.00	
Gravenhurst.....	Nov. 1915		1,346.61
Grimsby.....	Jan. 1942		153.03
Guelph.....	Dec. 1910		3,141.41
Hagersville.....	Sept. 1913	760.78	
Hamilton.....	Feb. 1911	8,935.08	
Hanover.....	Sept. 1916	741.00	
Harriston.....	July 1916	1,152.79	
Harrow.....	Nov. 1923	1,434.46	
Hastings.....	June 1931	234.63	
Havelock.....	Feb. 1921	93.46	
Hensall.....	Jan. 1917	1,059.67	
Hespeler.....	Feb. 1911	2,783.00	
Highgate.....	Dec. 1916	501.77	
Holstein.....	May 1916		200.26
Humberstone.....	Oct. 1924	218.47	
Huntsville.....	Sept. 1916		3,406.96
Ingersoll.....	May 1911	1,772.03	

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	22,398.01	25,315.59	.....	25,315.59	.....
.....	1,185.16	1,036.94	.....	1,036.94	.....
.....	155.23	868.42	.....	868.42	.....
176.41	.....	.....	154.70	.....	154.70
.....	1,186.29	1,093.95	.....	1,093.95	.....
.....	602.04	799.00	.....	799.00	.....
.....	788.56	763.72	.....	763.72	.....
.....	4.66	17.54	.....	17.54	.....
.....	1,572.68	1,690.87	.....	1,690.87	.....
5,862.24	.....	.....	5,693.16	.....	5,693.16
.....	1,477.37	1,443.72	.....	1,443.72	.....
.....	4,306.48	3,742.68	.....	3,742.68	.....
.....	75.49	165.40	.....	165.40	.....
.....	139.30	217.72	.....	217.72	.....
.....	481.13	311.25	.....	311.25	.....
.....	1,858.25	1,741.23	.....	1,741.23	.....
.....	13,062.21	12,096.19	.....	12,096.19	.....
.....	4,896.31	6,790.73	.....	6,790.73	.....
.....	4,138.49	3,054.79	.....	3,054.79	.....
.....	1,171.29	589.67	.....	589.67	.....
.....	3,739.15	4,764.98	.....	4,764.98	.....
.....	368.95	715.20	.....	715.20	.....
.....	329.00	180.52	.....	180.52	.....
1,346.61	.....	.....	1,113.16	.....	1,113.16
153.03	.....	.....	368.80	.....	368.80
3,141.41	.....	.....	1,605.72	.....	1,605.72
.....	760.78	606.34	.....	606.34	.....
.....	8,935.08	20,403.20	.....	20,403.20	.....
.....	741.00	5,585.14	.....	5,585.14	.....
.....	1,152.79	1,540.48	.....	1,540.48	.....
.....	1,434.46	1,221.79	.....	1,221.79	.....
.....	234.63	344.60	.....	344.60	.....
.....	93.46	.....	22.81	.....	22.81
.....	1,059.67	758.23	.....	758.23	.....
.....	2,783.00	2,848.79	.....	2,848.79	.....
.....	501.77	433.98	.....	433.98	.....
200.26	.....	.....	.....	.....	.....
.....	218.47	149.35	.....	149.35	.....
3,406.96	.....	.....	2,427.09	.....	2,427.09
.....	1,772.03	2,383.95	.....	2,383.95	.....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Iroquois.....	Feb. 1940	177.76	
Jarvis.....	Feb. 1924	508.26	
Kemptville.....	Dec. 1921	636.78	
Kincardine.....	Mar. 1921	2,276.81	
Kingston.....	Nov. 1937	26,943.93	
Kingsville.....	Nov. 1923	1,398.18	
Kirkfield.....	June 1920	64.60	
Kitchener.....	Jan. 1911	6,598.67	
Lakefield.....	Aug. 1920	2,391.21	
Lambeth.....	April 1915	756.75	
Lanark.....	Sept. 1921		12.47
Lancaster.....	May 1921	154.68	
LaSalle.....	Nov. 1925	595.24	
Leamington.....	Nov. 1923	4,316.30	
Lindsay.....	Mar. 1928	10,334.00	
Listowel.....	June 1916	1,194.45	
London.....	Jan. 1911		15,949.09
London Township.....	Jan. 1925	1,107.95	
Long Branch.....	Jan. 1931	1,230.78	
Lucan.....	Feb. 1915	443.53	
Lucknow.....	Jan. 1921	1,059.82	
Lynden.....	Nov. 1915	418.33	
Madoc.....	Jan. 1930	304.06	
Markdale.....	Mar. 1916	372.70	
Markham.....	April 1920	1,113.79	
Marmora.....	Jan. 1921	288.81	
Martintown.....	May 1921	101.55	
Maxville.....	Feb. 1921	557.39	
Meaford.....	Jan. 1924	2,574.90	
Merlin.....	Dec. 1922	525.03	
Merritton.....	Nov. 1920		2,343.83
Midland.....	July 1911	3,737.96	
Mildmay.....	Dec. 1932	411.85	
Millbrook.....	Dec. 1938	396.33	
Milton.....	April 1913	2,926.20	
Milverton.....	June 1916		6.51
Mimico.....	May 1912		1,889.49
Mitchell.....	Sept. 1911	1,235.12	
Moorefield.....	Mar. 1918	137.33	
Morrisburg.....	June 1938	427.36	

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	177.76	323.54	.....	323.54	.....
.....	508.26	277.01	.....	277.01	.....
.....	636.78	727.96	.....	727.96	.....
.....	2,276.81	3,791.72	.....	3,791.72	.....
.....	26,943.93	54,905.72	.....	54,905.72	.....
.....	1,398.18	1,165.93	.....	1,165.93	.....
.....	64.60	88.51	.....	88.51	.....
.....	6,598.67	11,175.75	.....	11,175.75	.....
.....	2,391.21	2,520.62	.....	2,520.62	.....
.....	756.75	402.21	.....	402.21	.....
12.47	.....	.....	12.28	.....	12.28
.....	154.68	.....	.....	.....	.....
.....	595.24	674.77	.....	674.77	.....
.....	4,316.30	3,394.49	.....	3,394.49	.....
.....	10,334.00	18,635.90	.....	18,635.90	.....
.....	1,194.45	1,628.05	.....	1,628.05	.....
15,949.09	.....	.....	13,162.39	.....	13,162.39
.....	1,107.95	996.49	.....	996.49	.....
.....	1,230.78	1,416.30	.....	1,416.30	.....
.....	443.53	372.02	.....	372.02	.....
.....	1,059.82	2,419.43	.....	2,419.43	.....
.....	418.33	183.94	.....	183.94	.....
.....	304.06	842.66	.....	842.66	.....
.....	372.70	824.79	.....	824.79	.....
.....	1,113.79	1,316.28	.....	1,316.28	.....
.....	288.81	508.38	.....	508.38	.....
.....	101.55	42.60	.....	42.60	.....
.....	557.39	29.16	.....	29.16	.....
.....	2,574.90	3,700.81	.....	3,700.81	.....
.....	525.03	395.24	.....	395.24	.....
2,343.83	.....	.....	8,599.90	.....	8,599.90
.....	3,737.96	18,558.42	.....	18,558.42	.....
.....	411.85	692.99	.....	692.99	.....
.....	396.33	643.08	.....	643.08	.....
.....	2,926.20	2,813.23	.....	2,813.23	.....
.....	.....	264.65	.....	264.65	.....
6.51	.....	.....	1,843.52	.....	1,843.52
1,889.49	.....	.....	.....	.....	.....
.....	1,235.12	1,275.84	.....	1,275.84	.....
.....	137.33	1.08	.....	1.08	.....
.....	427.36	1,037.47	.....	1,037.47	.....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Mount Brydges.....	Mar. 1915	490.57	
Mount Forest.....	Dec. 1915	1,523.39	
Napanee.....	Nov. 1929	1,430.01	
Neustadt.....	Dec. 1918	610.39	
Newbury.....	Mar. 1921	211.03	
Newcastle.....	Jan. 1937	290.49	
New Hamburg.....	Mar. 1911	1,554.46	
New Toronto.....	Feb. 1914	2,760.35	
Niagara Falls.....	Dec. 1915		7,516.59
Niagara-on-the-Lake.....	Aug. 1919	1,249.79	
North York Township.....	Nov. 1923	20,897.52	
Norwich.....	May 1912	946.92	
Norwood.....	Feb. 1921	220.94	
Oil Springs.....	Feb. 1918	511.54	
Omeme.....	Jan. 1940	385.62	
Orangeville.....	July 1916	1,698.75	
Orono.....	Nov. 1938	167.21	
Oshawa.....	Feb. 1929	22,239.82	
Ottawa.....	Jan. 1914		28,329.20
Otterville.....	Feb. 1916	483.54	
Owen Sound.....	Dec. 1915	2,180.65	
Paisley.....	Sept. 1923	325.56	
Palmerston.....	July 1916	36.49	
Paris.....	Feb. 1914	1,135.35	
Parkhill.....	May 1920	1,576.06	
Penetanguishene.....	July 1911	2,648.87	
Perth.....	Feb. 1919	1,995.03	
Peterborough.....	Mar. 1913	5,084.18	
Petrolia.....	May 1916	3,795.24	
Picton.....	April 1919	2,115.47	
Plattsville.....	Dec. 1914	928.47	
Point Edward.....	Nov. 1916	3,692.58	
Port Colborne.....	Mar. 1920	1,411.12	
Port Credit.....	Aug. 1912	2,524.43	
Port Dalhousie.....	Nov. 1912	1,736.57	
Port Dover.....	Dec. 1921	860.15	
Port Elgin.....	Mar. 1931	623.37	
Port Hope.....	Nov. 1929	2,483.67	
Port McNicoll.....	Jan. 1915	105.64	
Port Perry.....	Sept. 1922	443.49	

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	490.57	322.35	.....	322.35	.....
.....	1,523.39	2,118.45	.....	2,118.45	.....
.....	1,430.01	4,205.97	.....	4,205.97	.....
.....	610.39	795.12	.....	795.12	.....
.....	211.03	155.49	.....	155.49	.....
.....	290.49	558.87	.....	558.87	.....
.....	1,594.46	1,377.12	.....	1,377.12	.....
.....	2,760.35	1,111.63	.....	1,111.63	.....
7,516.59	.....	.....	7,733.88	.....	7,733.88
.....	1,249.79	484.63	.....	484.63	.....
.....	20,897.52	25,960.22	.....	25,960.22	.....
.....	946.92	979.33	.....	979.33	.....
.....	220.94	415.45	.....	415.45	.....
.....	511.54	836.54	.....	836.54	.....
.....	385.62	702.98	.....	702.98	.....
.....	1,698.75	3,287.63	.....	3,287.63	.....
.....	167.21	27.75	.....	27.75	.....
.....	22,239.82	48,311.75	.....	48,311.75	.....
28,329.20	.....	.....	16,964.15	.....	16,964.15
.....	483.54	539.62	.....	539.62	.....
.....	2,180.65	19,391.46	.....	19,391.46	.....
.....	325.56	324.53	.....	324.53	.....
.....	36.49	130.44	.....	130.44	.....
.....	1,135.35	1,246.96	.....	1,246.96	.....
.....	1,576.06	1,073.25	.....	1,073.25	.....
.....	2,648.87	5,645.81	.....	5,645.81	.....
.....	1,995.03	3,232.26	.....	3,232.26	.....
.....	5,084.18	27,817.23	.....	27,817.23	.....
.....	3,795.24	4,154.00	.....	4,154.00	.....
.....	2,115.47	6,144.48	.....	6,144.48	.....
.....	928.47	937.02	.....	937.02	.....
.....	3,692.58	3,664.11	.....	3,664.11	.....
.....	1,411.12	1,287.89	.....	1,287.89	.....
.....	2,524.43	2,252.97	.....	2,252.97	.....
.....	1,736.57	1,487.18	.....	1,487.18	.....
.....	860.15	827.32	.....	827.32	.....
.....	623.37	1,846.76	.....	1,846.76	.....
.....	2,483.67	7,538.99	.....	7,538.99	.....
.....	105.64	373.22	.....	373.22	.....
.....	443.49	1,301.46	.....	1,301.46	.....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Port Rowan.....	Nov. 1926	574.09	
Port Stanley.....	April 1912	1,295.78	
Prescott.....	Dec. 1913		684.35
Preston.....	Jan. 1911	2,843.53	
Priceville.....	Mar. 1920	131.87	
Princeton.....	Jan. 1915	497.44	
Queenston.....	Mar. 1921	86.55	
Richmond.....	Aug. 1928	310.23	
Richmond Hill.....	June 1925	1,299.53	
Ridgetown.....	Dec. 1915	1,304.97	
Ripley.....	Jan. 1921	768.68	
Riverside.....	Nov. 1922	1,926.61	
Rockwood.....	Sept. 1913	381.74	
Rodney.....	Feb. 1917	539.87	
Rosseau.....	July 1931		896.50
Russell.....	Feb. 1926		76.75
St. Catharines.....	April 1914	9,400.54	
St. Clair Beach.....	Nov. 1922	196.62	
St. George.....	Sept. 1915	373.14	
St. Jacobs.....	Sept. 1917	700.43	
St. Marys.....	May 1911	2,171.20	
St. Thomas.....	April 1911		7,765.85
Sarnia.....	Dec. 1916	14,290.40	
Scarborough Township.....	Aug. 1918	6,703.99	
Seaforth.....	Nov. 1911	960.06	
Shelburne.....	July 1916	493.82	
Simcoe.....	Aug. 1915	230.36	
Smiths Falls.....	Sept. 1918		83.08
Smithville.....	Nov. 1940	893.96	
Southampton.....	Feb. 1931	1,443.14	
Springfield.....	Aug. 1917	238.87	
Stamford Township.....	Nov. 1916		668.01
Stayner.....	Oct. 1913	377.82	
Stirling.....	Jan. 1930	259.62	
Stouffville.....	Sept. 1923	2,336.74	

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	574.09	469.78	.....	469.78	.....
.....	1,295.78	426.47	.....	426.47	.....
684.35	.....	527.32	.....	527.32	.....
.....	2,843.53	3,568.06	.....	3,568.06	.....
.....	131.87	102.39	.....	102.39	.....
.....
.....	497.44	472.58	.....	472.58	.....
.....	86.55	.....	11.94	.....	11.94
.....	310.23	126.49	.....	126.49	.....
.....	1,299.53	1,192.99	.....	1,192.99	.....
.....	1,304.97	806.32	.....	806.32	.....
.....
.....	768.68	1,204.67	.....	1,204.67	.....
.....	1,926.61	1,748.49	.....	1,748.49	.....
.....	381.74	301.77	.....	301.77	.....
.....	539.87	353.83	.....	353.83	.....
896.50	.....	.....	.....	.....	.....
.....
76.75	.....	72.86	.....	72.86	.....
.....	9,400.54	.....	7,694.25	.....	7,694.25
.....	196.62	164.74	.....	164.74	.....
.....	373.14	242.41	.....	242.41	.....
.....	700.43	522.58	.....	522.58	.....
.....
.....	2,171.20	1,526.49	.....	1,526.49	.....
6,236.68	.....	.....	4,526.43	.....	6,055.60
.....	14,290.40	17,216.08	.....	17,216.08	.....
.....	6,703.99	6,555.18	.....	6,555.18	.....
.....	960.06	1,319.34	.....	1,319.34	.....
.....
.....	493.82	1,179.49	.....	1,179.49	.....
.....	230.36	267.51	.....	267.51	.....
83.08	.....	588.53	.....	588.53	.....
.....	893.96	747.06	.....	747.06	.....
.....	1,443.14	3,089.74	.....	3,089.74	.....
.....
.....	238.87	151.59	.....	151.59	.....
668.01	.....	.....	1,551.07	.....	1,551.07
.....	377.82	1,187.82	.....	1,187.82	.....
.....	259.62	806.33	.....	806.33	.....
.....	2,336.74	2,142.29	.....	2,142.29	.....

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Stratford.....	Jan. 1911		1,780.10
Strathroy.....	Dec. 1914	4,592.19	
Streetsville.....	Dec. 1934	898.60	
Sunderland.....	Nov. 1914	252.70	
Sutton.....	Aug. 1923	995.32	
Swansea.....	Oct. 1937	7,246.42	
Tara.....	Feb. 1918	136.10	
Tavistock.....	Nov. 1916	990.17	
Tecumseh.....	Nov. 1922	447.92	
Teeswater.....	Dec. 1920	25.23	
Thamesford.....	Feb. 1914	193.72	
Thamesville.....	Oct. 1915	663.68	
Thedford.....	May 1922	461.24	
Thorndale.....	Mar. 1914	465.27	
Thornton.....	Nov. 1918	184.55	
Thorold.....	Jan. 1921		2,099.68
Tilbury.....	April 1915	4,229.96	
Tillsonburg.....	Aug. 1911	2,476.62	
Toronto.....	June 1911	91,448.91	
Toronto Township.....	Aug. 1913	2,659.77	
Tottenham.....	Oct. 1918	492.98	
Trafalgar Township, Area No. 1.....	Nov. 1936		146.41
Trafalgar Township, Area No. 2.....	Nov. 1936		542.21
Trenton.....	Sept. 1931		1,397.50
Tweed.....	Dec. 1930	63.65	
Uxbridge.....	Sept. 1922	861.40	
Victoria Harbour.....	July 1914	105.94	
Walkerton.....	Feb. 1931	1,303.70	
Wallaceburg.....	Feb. 1915	9,434.64	
Wardsville.....	June 1921	373.39	
Warkworth.....	Oct. 1923		45.92
Waterdown.....	Nov. 1911	488.20	
Waterford.....	April 1915	648.59	
Waterloo.....	Dec. 1910	2,687.60	
Watford.....	Sept. 1917	2,365.38	

SYSTEM

S.O.—CREDIT OR CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,780.10			238.28		238.28
	4,592.19	5,153.40		5,153.40	
	898.60	857.06		857.06	
	252.70	282.49		282.49	
	995.32	613.88		613.88	
	7,246.42	6,884.62		6,884.62	
	136.10	470.26		470.26	
	990.17	912.10		912.10	
	447.92	555.31		555.31	
	25.23	124.99		124.99	
	193.72	376.37		376.37	
	663.68	393.51		393.51	
	461.24	151.03		151.03	
	465.27	75.58		75.58	
	184.55	232.55		232.55	
2,099.68			5,428.79		5,428.79
	4,229.96	4,787.43		4,787.43	
	2,476.62	2,620.52		2,620.52	
	91,448.91	121,006.52		121,006.52	
	2,659.77	4,120.97		4,120.97	
	492.98	472.94		472.94	
146.41			303.17		303.17
542.21			202.66		202.66
1,397.50		8,044.80		8,044.80	
	63.65	1,232.99		1,232.99	
	861.40	1,347.21		1,347.21	
	105.94	252.58		252.58	
	1,303.70	4,598.07		4,598.07	
	9,434.64	8,789.27		8,789.27	
	373.39	261.80		261.80	
45.92		196.93		196.93	
	488.20	507.02		507.02	
	648.59	531.91		531.91	
	2,687.60	3,877.95		3,877.95	
	2,365.38	2,030.64		2,030.64	

SOUTHERN ONTARIO

Embracing Niagara, Georgian Bay and

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1943, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Waubauskene.....	Dec. 1914	221.33	
Welland.....	Sept. 1917		2,451.85
Wellesley.....	Nov. 1916	767.99	
Wellington.....	April 1919	482.48	
West Lorne.....	Jan. 1917	489.10	
Weston.....	Aug. 1911		2,971.42
Westport.....	Nov. 1931	105.86	
Wheatley.....	Feb. 1924	851.45	
Whitby.....	Jan. 1926	2,360.15	
Warton.....	May 1931	1,038.66	
Williamsburg.....	April 1915		18.98
Winchester.....	Jan. 1914	39.35	
Windermere.....	June 1930		78.80
Windsor.....	Oct. 1914	27,951.95	
Wingham.....	Dec. 1920	3,147.14	
Woodbridge.....	Dec. 1914	1,801.68	
Woodstock.....	Jan. 1911	5,242.06	
Woodville.....	Nov. 1914	277.75	
Wyoming.....	Nov. 1916	361.94	
York Township.....	Jan. 1941	29,559.62	
Zurich.....	Sept. 1917	777.26	
Ontario Reformatory.....	Sept. 1913	719.77	
Toronto Transportation Commission.....	Jan. 1927	3,395.82	
Totals—Municipalities.....		614,448.10	97,708.71
Totals—Rural power district.....		3,050,096.07	1,241,659.47
Grand totals.....		3,664,544.17	1,339,368.18

SYSTEM

S.O.—CREDIT OF CHARGE

Eastern Ontario Divisions

power supplied to it to October 31, 1942, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,451.85	221.33	567.28	5,885.27	567.28	5,885.27
	767.99	774.92		774.92	
	482.48	1,520.57		1,520.57	
	489.10	457.77		457.77	
551.98		501.72			1,917.72
	105.86				
	851.45	525.63		525.63	
	2,360.15	5,016.79		5,016.79	
	1,038.66	696.07		696.07	
18.98		64.40		64.40	
	39.35	582.11		582.11	
78.80			142.48		142.48
	27,951.95	38,621.31		38,621.31	
	3,147.14	5,544.81		5,544.81	
	1,801.68	1,284.51		1,284.51	
	5,242.06	5,018.95		5,018.95	
	277.75	220.38		220.38	
	361.94	481.67		481.67	
	29,559.62	34,681.72		34,681.72	
	777.26	668.55		668.55	
	719.77	629.86		629.86	
	3,395.82	4,389.33		4,389.33	
93,760.10	614,448.10	900,949.30	86,229.69	900,447.58	89,676.58
121,998.66	49,979.20	495,979.59	190,800.19	3,632,954.82	1,447,319.36
215,758.76	664,427.30	1,396,928.89	277,029.88	4,533,402.40	1,536,995.94

SOUTHERN ONTARIO SYSTEM S.O.—SINKING FUND

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1943

Municipality	Period of years ended Oct. 31, 1943	Amount	Municipality	Period of years ended Oct. 31, 1943	Amount
		\$ c.			\$ c.
Acton.....	26 years	92,353.89	Brussels.....	20 years	16,845.80
Agincourt.....	20 "	14,760.07	Burford.....	23 "	17,805.57
Ailsa Craig.....	23 "	19,213.45	Burgessville.....	22 "	6,735.31
Alexandria.....	19 "	37,083.39	Caledonia.....	26 "	29,475.73
Alliston.....	20 "	30,714.51	Campbellville.....	19 "	3,487.42
Alvinston.....	20 "	19,197.62	Cannington.....	24 "	19,523.43
Amherstburg.....	20 "	71,031.50	Cardinal.....	14 "	8,031.77
Ancaster Township.....	20 "	22,874.18	Carleton Place.....	19 "	100,239.67
Apple Hill.....	19 "	4,183.66	Cayuga.....	19 "	12,793.82
Arkona.....	17 "	8,067.19	Chatham.....	23 "	514,133.06
Arnprior.....	5 "	10,787.47	Chatsworth.....	23 "	5,863.07
Arthur.....	22 "	24,383.13	Chesley.....	22 "	46,302.78
Athens.....	15 "	8,264.72	Chesterville.....	24 "	32,747.11
Aurora.....	1 "	2,097.42	Chippawa.....	22 "	22,030.59
Aylmer.....	20 "	56,982.94	Clifford.....	20 "	9,512.36
Ayr.....	24 "	19,376.23	Clinton.....	24 "	60,140.85
Baden.....	26 "	40,875.21	Cobden.....	8 "	2,339.35
Barrie.....	25 "	203,300.43	Cobourg.....	12 "	65,101.90
Bath.....	12 "	2,787.52	Colborne.....	11 "	6,022.71
Beachville.....	26 "	53,168.50	Coldwater.....	25 "	18,479.74
Beamsville.....	7 "	7,831.52	Collingwood.....	25 "	175,621.02
Beaverton.....	24 "	25,941.88	Comber.....	23 "	23,096.75
Beeton.....	20 "	19,619.16	Cookstown.....	20 "	6,985.69
Belle River.....	21 "	13,818.17	Cottam.....	17 "	5,930.21
Belleville.....	15 "	231,262.06	Courtright.....	20 "	7,296.48
Blenheim.....	23 "	48,691.45	Creemore.....	24 "	15,114.21
Bloomfield.....	15 "	8,131.87	Dashwood.....	21 "	10,843.06
Blyth.....	20 "	12,861.76	Delaware.....	23 "	4,410.82
Bolton.....	23 "	22,298.39	Delhi.....	6 "	9,270.12
Bothwell.....	23 "	21,517.13	Deseronto.....	13 "	9,567.89
Bowmanville.....	12 "	84,694.14	Dorchester.....	24 "	9,832.80
Bradford.....	20 "	23,109.67	Drayton.....	20 "	16,336.88
Brampton.....	27 "	221,033.36	Dresden.....	23 "	41,080.61
Brantford.....	24 "	1,197,569.94	Drumbo.....	24 "	8,607.43
Brantford Township.....	20 "	47,216.01	Dublin.....	21 "	7,159.34
Brechin.....	24 "	9,400.04	Dundalk.....	23 "	16,489.45
Bridgeport.....	16 "	8,561.62	Dundas.....	27 "	181,937.64
Brigden.....	21 "	14,835.61	Dunnville.....	21 "	81,603.19
Brighton.....	14 "	15,346.68	Durham.....	23 "	39,170.95
Brockville.....	23 "	221,551.09	Dutton.....	23 "	25,262.73

SOUTHERN ONTARIO SYSTEM *S.O.—SINKING FUND*

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1943

Municipality	Period of years ended Oct. 31, 1943	Amount	Municipality	Period of years ended Oct. 31, 1943	Amount
		\$ c.			\$ c.
East York Township.	19 years	376,661.31	Iroquois.....	4 years	1,870.76
Elmira.....	25 "	97,807.72	Jarvis.....	20 "	19,587.97
Elmvale.....	25 "	18,788.31	Kemptville.....	19 "	26,132.59
Elmwood.....	20 "	5,381.63	Kincardine.....	19 "	55,547.22
Elora.....	24 "	46,985.33	Kingston.....	6 "	149,180.92
Embro.....	24 "	14,297.40	Kingsville.....	20 "	53,319.07
Erieau.....	20 "	8,805.64	Kirkfield.....	19 "	4,025.33
Erie Beach.....	19 "	2,140.02	Kitchener.....	27 "	1,697,171.06
Essex.....	20 "	41,602.70	Lakefield.....	15 "	16,865.41
Etobicoke Township.	21 "	307,136.46	Lambeth.....	23 "	12,491.91
Exeter.....	22 "	54,581.84	Lanark.....	19 "	7,799.81
Fergus.....	24 "	83,982.90	Lancaster.....	19 "	7,548.11
Finch.....	16 "	5,765.33	LaSalle.....	18 "	18,388.02
Flesherton.....	23 "	8,193.55	Leamington.....	20 "	116,613.63
Fonthill.....	18 "	8,772.04	Lindsay.....	15 "	130,904.28
Forest.....	21 "	44,049.51	Listowel.....	22 "	101,869.31
Forest Hill.....	20 "	246,885.05	London.....	27 "	3,125,317.23
Galt.....	27 "	711,539.49	London Township.....	19 "	28,047.48
Georgetown.....	25 "	135,432.09	Long Branch.....	13 "	38,591.71
Glencoe.....	20 "	26,196.02	Lucan.....	23 "	23,002.21
Goderich.....	24 "	158,422.10	Lucknow.....	19 "	25,910.58
Grand Valley.....	22 "	15,283.16	Lynden.....	23 "	16,201.40
Granton.....	22 "	10,123.33	Madoc.....	14 "	10,445.78
Gravenhurst.....	23 "	40,114.21	Markdale.....	22 "	13,265.06
Grimsby.....	2 "	3,920.78	Markham.....	20 "	25,287.78
Guelph.....	27 "	851,873.04	Marmora.....	15 "	7,378.78
Hagersville.....	25 "	97,038.58	Martintown.....	19 "	2,640.42
Hamilton.....	27 "	6,562,685.35	Maxville.....	19 "	11,935.08
Hanover.....	22 "	104,113.79	Meaford.....	19 "	39,920.88
Harriston.....	22 "	43,502.48	Merlin.....	20 "	14,465.14
Harrow.....	20 "	33,996.47	Merritton.....	22 "	235,562.40
Hastings.....	13 "	5,033.36	Midland.....	25 "	279,611.29
Havelock.....	15 "	15,120.67	Mildmay.....	11 "	4,824.30
Hensall.....	22 "	21,415.54	Millbrook.....	5 "	1,262.72
Hespeler.....	27 "	153,699.03	Milton.....	25 "	126,939.71
Highgate.....	22 "	12,154.24	Milverton.....	22 "	52,544.37
Holstein.....	22 "	3,364.35	Mimico.....	26 "	180,963.90
Humberstone.....	20 "	28,462.33	Mitchell.....	27 "	56,896.00
Huntsville.....	22 "	77,025.54	Moorefield.....	20 "	7,741.29
Ingersoll.....	27 "	237,499.11	Morrisburg.....	6 "	3,051.04

SOUTHERN ONTARIO SYSTEM S.O.—SINKING FUND

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1943

Municipality	Period of years ended Oct. 31, 1943	Amount	Municipality	Period of years ended Oct. 31, 1943	Amount
		\$ c.			\$ c.
Mount Brydges.....	23 years	9,726.28	Port Dover.....	20 years	33,939.93
Mount Forest.....	23 "	42,344.53	Port Elgin.....	13 "	17,416.07
Napanee.....	14 "	54,796.88	Port Hope.....	14 "	78,431.76
Neustadt.....	20 "	7,819.97	Port McNicoll.....	24 "	7,998.42
Newbury.....	20 "	5,528.79	Port Perry.....	19 "	22,880.39
Newcastle.....	7 "	3,204.56	Port Rowan.....	17 "	8,838.04
New Hamburg.....	27 "	61,671.45	Port Stanley.....	26 "	51,708.96
New Toronto.....	24 "	601,439.40	Prescott.....	24 "	62,689.18
Niagara Falls.....	23 "	711,335.73	Preston.....	27 "	324,789.69
Niagara-on-the-Lake	20 "	41,077.93	Priceville.....	19 "	1,211.17
North York Township	20 "	233,890.70	Princeton.....	24 "	12,082.99
Norwich.....	26 "	45,671.00	Queenston.....	20 "	8,766.86
Norwood.....	15 "	7,697.59	Richmond.....	16 "	3,977.45
Oil Springs.....	20 "	30,396.01	Richmond Hill.....	19 "	26,302.36
Omemece.....	4 "	1,901.60	Ridgetown.....	23 "	53,711.53
Orangeville.....	22 "	57,706.56	Ripley.....	19 "	10,165.57
Orono.....	5 "	1,412.39	Riverside.....	21 "	103,110.39
Oshawa.....	15 "	705,119.38	Rockwood.....	25 "	13,969.00
Ottawa.....	28 "	274,114.85	Rodney.....	21 "	17,177.42
Otterville.....	22 "	11,230.23	Rosseau.....	13 "	4,702.28
Owen Sound.....	23 "	279,634.52	Russell.....	18 "	7,016.17
Paisley.....	19 "	14,012.40	St. Catharines.....	22 "	847,587.35
Palmerston.....	22 "	54,803.45	St. Clair Beach.....	21 "	8,642.55
Paris.....	24 "	142,328.38	St. George.....	23 "	17,541.18
Parkhill.....	20 "	24,288.11	St. Jacobs.....	21 "	21,066.72
Penetanguishene.....	27 "	80,237.35	St. Marys.....	27 "	163,795.98
Perth.....	19 "	88,554.75	St. Thomas.....	27 "	622,020.13
Peterborough.....	15 "	414,791.75	Sarnia.....	22 "	796,432.33
Petrolia.....	22 "	127,190.37	Scarborough Twp.....	20 "	247,711.25
Picton.....	15 "	68,966.04	Seaforth.....	27 "	75,633.11
Plattsville.....	24 "	11,678.75	Shelburne.....	22 "	24,290.93
Point Edward.....	21 "	81,744.23	Simcoe.....	23 "	141,499.44
Port Colborne.....	22 "	127,049.39	Smiths Falls.....	20 "	128,732.85
Port Credit.....	26 "	52,906.88	Smithville.....	3 "	1,465.01
Port Dalhousie.....	22 "	47,883.62	Southampton.....	13 "	15,953.57

SOUTHERN ONTARIO SYSTEM S.O.—SINKING FUND

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1943

Municipality	Period of years ended Oct. 31, 1943	Amount	Municipality	Period of years ended Oct. 31, 1943	Amount
		\$ c.			\$ c.
Springfield.....	21 years	11,202.54	Warkworth.....	15 years	4,990.00
Stamford Township..	22 "	125,180.78	Waterdown.....	27 "	27,336.21
Stayner.....	25 "	21,406.05	Waterford.....	23 "	40,403.92
Stirling.....	14 "	11,408.41	Waterloo.....	27 "	335,192.65
Stouffville.....	20 "	21,696.25	Watford.....	21 "	30,439.73
Stratford.....	27 "	739,299.75	Waubauskene.....	24 "	5,820.01
Strathroy.....	24 "	112,334.94	Welland.....	21 "	397,788.42
Streetsville.....	9 "	4,459.79	Wellesley.....	22 "	19,706.55
Sunderland.....	24 "	12,616.24	Wellington.....	15 "	12,953.60
Sutton.....	20 "	21,500.82	West Lorne.....	22 "	30,527.92
Swansea.....	18 "	113,427.80	Weston.....	27 "	301,194.00
Tara.....	20 "	10,738.01	Westport.....	12 "	6,651.04
Tavistock.....	22 "	57,132.42	Wheatley.....	20 "	17,657.70
Tecumseh.....	21 "	33,243.64	Whitby.....	15 "	66,183.63
Teeswater.....	19 "	15,605.74	Wiarton.....	13 "	19,145.53
Thamesford.....	24 "	21,418.13	Williamsburg.....	23 "	7,795.88
Thamesville.....	23 "	21,802.78	Winchester.....	24 "	24,393.92
Thedford.....	20 "	12,096.29	Windermere.....	14 "	3,191.56
Thorndale.....	24 "	10,583.66	Windsor.....	24 "	3,831,390.46
Thornton.....	20 "	4,215.33	Wingham.....	19 "	48,297.10
Thorold.....	21 "	130,964.78	Woodbridge.....	24 "	40,537.72
Tilbury.....	23 "	62,830.52	Woodstock.....	27 "	514,299.46
Tillsonburg.....	27 "	111,108.40	Woodville.....	24 "	12,290.71
Toronto.....	27 "	23,773,608.03	Wyoming.....	22 "	10,195.74
Toronto Township..	25 "	149,285.86	York Township.....	23 "	937,002.00
Tottenham.....	20 "	13,526.28	Zurich.....	21 "	16,473.76
Trafalgar Twp., Area No. 1.....	7 "	8,598.56	Ontario Reformatory.	9 "	8,285.06
Trafalgar Twp., Area No. 2.....	7 "	3,055.63	Toronto Transporta- tion Commission..	22 "	206,311.76
Trenton.....	12 "	112,463.21	Sandwich, Windsor & Amherstburg Rly..	21 "	205,488.02
Tweed.....	13 "	12,922.53			
Uxbridge.....	19 "	24,756.61	Total Municipalities.....		\$63,916,456.72
Victoria Harbour....	24 "	8,152.26	Total—Rural Power Dis- trict.....		5,541,945.71
Walkerton.....	13 "	27,791.02			
Wallaceburg.....	23 "	241,171.02	Grand Total.....		\$69,458,402.43
Wardsville.....	20 "	4,587.03			

SOUTHERN ONTARIO SYSTEM

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

RURAL POWER DISTRICT

Revenue from customers in the rural power district.....	\$5,420,656.76
Cost of power as provided to be paid under Power Commission Act. \$2,195,711.92	
Cost of operation, maintenance and administration.....	1,497,021.38
Interest.....	837,921.39
Provision for renewals.....	381,450.16
Provision for sinking fund.....	203,372.51
	<u>5,115,477.36</u>
Balance.....	\$ <u><u>305,179.40</u></u>

SOUTHERN ONTARIO SYSTEM—Rural Lines

Embracing Niagara, Georgian Bay and Eastern Ontario Divisions

CERTAIN RURAL LINES OPERATED BY MUNICIPALITIES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1943

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, contingencies and obsolescence, and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Milton.....	440.82	21.86	8.82	4.41	7.93	43.02
Welland.....	19,617.60	823.94	392.35	196.18	20.57	1,433.04
Brechin.....	922.02	48.22	18.44	9.22	16.60	92.48
Totals.....	20,980.44	894.02	419.61	209.81	45.10	1,568.54

SOUTHERN ONTARIO SYSTEM

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1943

Operated by	Period of years ended October 31, 1943	Amount
		\$ c.
Milton.....	30 years	420.07
Welland.....	31 years	19,617.60
Brechin.....	25 years	648.99
Total.....		20,686.66

THUNDER BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1943			Operating, maintenance and administrative expenses	Interest	Provision for renewals
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Fort William.....	21.00	2,829,139.34	14,780.4	49,322.28	137,415.37	25,099.32
Nipigon Township...	28.00	35,699.69	209.8	1,769.67	1,719.48	294.39
Port Arthur.....	21.00	3,803,731.56	19,935.1	66,268.24	184,787.89	33,671.62
Totals—Municipalities.....		6,668,570.59	34,925.3	117,360.19	323,922.74	59,065.33
Totals—Rural power district....		151,379.56	656.1	2,370.59	7,367.91	1,501.22
Totals—Companies.....		10,421,528.62	56,173.3	189,406.70	507,222.11	88,311.41
Totals—Mining area (mines)....		2,273,126.69	9,038.2	39,643.27	110,692.91	10,649.54
Totals—Mining area (townsites).		247,592.32	542.3	13,601.07	12,078.46	638.99
		19,762,197.78				
Non-operating capital.....		28.38				
Grand totals.....		19,762,226.16	101,335.2	362,381.82	961,284.13	160,166.49

THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of adjustments made and interest added during the year; also the net amount in the year ended October 31, 1943, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1942	
		Credit	Charge
		\$ c.	\$ c.
Fort William.....	Oct. 1926	14,311.58	.....
Township of Nipigon.....	Jan. 1925	878.52	.....
Port Arthur.....	Dec. 1910	17,093.14	.....
Total—Municipalities.....		32,283.24	.....
Total—Rural power district.....		.....	12,826.80
Grand total.....		32,283.24	12,826.80

SYSTEM

T.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1943

costs and fixed charges			Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited to each municipality
Provision for contingencies and obsolescence	Provision for stabliza-tion of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
28,029.99	22,170.60	29,790.84	16,210.44	275,617.96	310,388.60	34,770.64
377.25	314.70	375.92	230.10	4,621.31	5,874.17	1,252.86
37,745.13	29,902.65	40,053.30	21,863.87	370,564.96	418,636.34	48,071.38
66,152.37	52,387.95	70,220.06	(38,304.41)	650,804.23	734,899.11	84,094.88
1,373.27	984.15	1,594.03	(719.58)	14,471.59	14,471.59	.....
115,999.03	.....	108,253.69	39,023.99	1,048,216.93	1,048,216.93	.....
97,558.91	40,479.72	14,694.15	.....	313,718.50	313,718.50	.....
16,274.41	(3,516.79)	881.67	.....	39,957.81	39,957.81	.....
297,357.99	90,335.03	195,643.60	.....	2,067,169.06	2,151,263.94	84,094.88

SYSTEM

T.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1942, the cash receipts and payments thereon, Credited or Charged to each Municipality in respect of power supplied standing as a Credit or Charge to each Municipality at October 31, 1943

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1943		Accumulated amount standing as a credit or charge on October 31, 1943	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	14,311.58	34,770.64	.....	34,770.64	.....
.....	878.52	1,252.86	.....	1,252.86	.....
.....	17,093.14	48,071.38	.....	48,071.38	.....
.....	32,283.24	84,094.88	.....	84,094.88	.....
.....	513.07	4,906.81	214.61	.....	8,647.67
.....	32,796.31	89,001.69	214.61	84,094.88	8,647.67

THUNDER BAY SYSTEM

SINKING FUND

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1943

Municipality	Period of years ended October 31, 1943	Amount
		\$ c.
Fort William.....	17 years	936,842.57
Township of Nipigon.....	17 years	8,825.92
Port Arthur.....	17 years	2,703,480.39
Total—Municipalities.....		3,649,148.88
Total—Rural power district.....		36,613.81
Grand total.....		3,685,762.69

THUNDER BAY RURAL POWER DISTRICT

Operating Account for Year Ended October 31, 1943

Revenue from customers in the rural power district.....	\$51,585.11
Cost of power as provided to be paid under Power Commission Act.....	\$14,471.59
Cost of operation, maintenance and administration.....	12,648.72
Interest.....	12,150.83
Provision for renewals.....	4,992.97
Provision for sinking fund.....	2,628.80
	<u>46,892.91</u>
Balance.....	<u>\$ 4,692.20</u>

NORTHERN ONTARIO PROPERTIES

(Operated by The Hydro-Electric Power Commission of Ontario)

FINANCIAL ACCOUNTS

For the Year ended October 31, 1943

Relating to Power Properties which are held and operated by the Commission in trust for the Province of Ontario, and which are situated in the following Northern Districts:

Abitibi	Sudbury	Nipissing	Patricia
Rainy River		Rural Power	

STATEMENTS

Balance Sheet as at October 31, 1943

Operating Account for the Year ended October 31, 1943

Schedules supporting the Balance Sheet at as October 31, 1943

Fixed Assets—By Districts

Renewals Reserves

Contingencies and Obsolescence Reserves

Sinking Fund Reserves

NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power

BALANCE SHEET AS AT

ASSETS

FIXED ASSETS:

Abitibi district.....	\$28,757,557.33
Sudbury district.....	4,460,874.36
Nipissing district.....	1,402,602.26
Patricia district.....	4,416,320.52
Rainy River district.....	1,037,469.28
Rural Power district.....	810,558.41

\$ 40,885,382.16

Less: Grants-in-aid of construction:

Province of Ontario—for rural power district.....	396,788.19
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\$ 40,488,593.97

CURRENT ASSETS:

Employees' working funds.....	\$ 4,545.00
The Hydro-Electric Power Commission of Ontario—Current account.....	1,678,165.47
Sundry accounts receivable.....	21,236.87
Power accounts receivable.....	409,659.35
Interest accrued.....	15,234.38
Consumers' deposits—securities:	
Bonds at par value.....	\$ 722,500.00
Stocks at market value.....	182,910.00

905,410.00

Prepayments.....	21,620.33
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3,055,871.40

INVENTORIES:

Maintenance materials and supplies.....	\$ 117,002.09
Maintenance tools and equipment.....	79,984.90

196,986.99

DEFERRED ASSETS:

Work in progress—deferred work orders.....	59,400.06
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UNAMORTIZED DISCOUNT ON DEBENTURES.....	209,416.04
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RESERVE FUND INVESTMENTS.....	1,603,489.85
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\$ 45,613,758.31

PROPERTIES

Commission of Ontario in Trust for the Province of Ontario

OCTOBER 31, 1943

LIABILITIES AND RESERVES

LONG TERM LIABILITIES:

Funded debt in the hands of the public.....	\$ 21,818,400.00	
Advances from the Province of Ontario for capital purposes.....	5,735,423.01	
		\$ 27,553,823.01

CURRENT LIABILITIES:

Power accounts—credit balances.....	\$ 2,440.83	
Consumers' deposits.....	927,524.53	
Debenture interest accrued.....	71,153.58	
Miscellaneous accruals.....	54,100.25	
		1,055,219.19

RESERVES:

Renewals.....	\$ 3,547,626.69	
Contingencies and obsolescence.....	2,472,792.37	
Miscellaneous.....	292,813.47	
		6,313,232.53

SINKING FUND RESERVES:

Represented by:

Funded debt retired through sinking funds.....	\$ 7,014,600.00	
Provincial advances retired through sinking funds.....	2,448,688.46	
Available balance.....	497,619.80	
		9,960,908.26
SURPLUS.....		730,575.32

\$ 45,613,758.31

Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1943, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1943, according to the best of our information and the explanations given to us, and as shown by the books and records of the Properties. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND COY.,
Chartered Accountants,

Dated at Toronto, Ontario,
12 May, 1944.

Auditors

NORTHERN ONTARIO**EMBRACING THE ABITIBI, SUDBURY,****NORTHERN RURAL****Held and Operated by The Hydro-Electric
In Trust for the****Operating Account for the****COST OF OPERATION**

Power purchased.....	\$49,086.53
Operating, maintenance and administrative expenses.....	1,023,451.99
Interest.....	1,501,466.37
Provision for renewals.....	340,120.25
Provision for contingencies and obsolescence.....	388,426.57
Provision for sinking fund.....	1,135,397.35
Total cost.....	<u>\$4,437,949.06</u>
Net income for year.....	<u>396,428.82</u>
	<u><u>\$4,834,377.88</u></u>

PROPERTIES

NIPISSING, PATRICIA DISTRICTS AND

POWER DISTRICT

Power Commission of Ontario
Province of Ontario

Year Ended October 31, 1943

REVENUE

Power sold to private companies and customers..... \$4,834,377.88

\$4,834,377.88

Surplus Account—as at October 31, 1943

Balance at credit November 1, 1942..... \$315,840.68
Net income for the year ended October 31, 1943..... 396,428.82
Transferred from reserves—net..... 18,305.82
Balance at credit October 31, 1943..... \$730,575.32

\$730,575.32 \$730,575.32

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario
in Trust for the Province of Ontario

Fixed Assets—October 31, 1943

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
ABITIBI:					
Power Plants:					
Abitibi river:					
Abitibi Canyon.....	485,264.88		5,530,862.63	13,448,118.93	18,978,981.56
Frederick House dam.....	49,661.63		218,435.95	685,822.34	904,258.29
Dasserat Lake diversion.....	15,837.61		4,220.89	34,471.80	38,692.69
	519,088.90		5,753,519.47	14,168,413.07	19,921,932.54
Transformer Stations.....	4,230.80	4,981.61	215,856.69	2,052,052.49	2,272,890.79
Transmission Lines.....	1,383.45	7,762.44	830,136.86	5,637,297.56	6,475,196.86
Local Systems.....	702.68			87,537.14	87,537.14
	522,638.93	12,744.05	6,799,513.02	21,945,300.26	28,757,557.33
SUDBURY:					
Power Plants:					
Wanapitei river:					
Coniston.....	548.36		13,597.20	732,799.66	746,396.86
McVitties.....			13,323.00	389,078.21	402,401.21
Stinson.....	1,134.07		33,000.00	656,001.78	689,001.78
Storage dam.....			25.00	194,870.00	194,895.00
Intangible.....			830,514.53		830,514.53
Sturgeon river:					
Crystal Falls and Storage dams	1,013.09		44,481.27	937,486.13	981,967.40
	2,695.52		934,941.00	2,910,235.78	3,845,176.78
Transformer Stations.....	15,136.84			157,135.08	157,135.08
Transmission Lines.....	481.26			458,562.50	458,562.50
	12,922.58		934,941.00	3,525,933.36	4,460,874.36
NIPISSING:					
Power Plants:					
South river:					
Nipissing.....	2,752.92	11.73	11,089.60	241,924.01	253,025.34
Bingham Chute.....	3,269.33		12,130.05	243,097.51	255,227.56
Elliot Chute.....	1,831.95		119,307.09	334,834.33	454,141.42
Storage dams.....				76,122.70	76,122.70
Miscellaneous.....				1,096.64	1,096.64
Intangible.....			69,478.34		69,478.34
	4,190.30	11.73	212,005.08	897,075.19	1,109,092.00
Transformer Stations.....	14,446.83			44,361.80	44,361.80
Transmission Lines.....	236.15			212,520.54	212,520.54
Local Systems.....	71.54		2,219.65	34,408.27	36,627.92
	18,472.52	11.73	214,224.73	1,188,365.80	1,402,602.26

NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario
in Trust for the Province of Ontario

Fixed Assets—October 31, 1943

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
PATRICIA:					
Power Plants:					
English river:					
Ear Falls.....				1,814,138.99	1,814,138.99
Albany river:					
Rat Rapids.....			39,297.44	554,807.60	594,105.04
			39,297.44	2,368,946.59	2,408,244.03
Transformer Stations.....	126.12	84.13		161,932.01	162,016.14
Transmission Lines.....	2,410.43	312.20		1,797,373.15	1,797,685.35
Local Systems.....	122.22			48,375.00	48,375.00
	2,162.09	396.33	39,297.44	4,376,626.75	4,416,320.52
RAINY RIVER:					
Transformer Stations.....	66,167.60	66,167.60			66,167.60
Transmission Lines.....	971,301.68	971,301.68			971,301.68
	1,037,469.28	1,037,469.28			1,037,469.28
NORTHERN ONTARIO PROPERTIES—RURAL POWER DISTRICT:					
Transformer Stations.....				10,820.23	10,820.23
H.E.P.C. investments.....	1,695.98			402,949.99	402,949.99
Government grants.....	1,595.69			396,788.19	396,788.19
	3,291.67			810,558.41	810,558.41

SUMMARY

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Abitibi district.....	522,638.93	12,744.05	6,799,513.02	21,945,300.26	28,757,557.33
Sudbury district.....	12,922.58		934,941.00	3,525,933.36	4,460,874.36
Nipissing district.....	18,472.52	11.73	214,224.73	1,188,365.80	1,402,602.26
Patricia district.....	2,162.09	396.33	39,297.44	4,376,626.75	4,416,320.52
Rainy river district.....	1,037,469.28	1,037,469.28			1,037,469.28
Rural power district.....	3,291.67			810,558.41	810,558.41
	521,509.87	1,050,621.39	7,987,976.19	31,846,784.58	40,885,382.16
Less Grants in aid of construction:					
Province of Ontario for rural power district.....	1,595.69			396,788.19	396,788.19
	519,914.18	1,050,621.39	7,987,976.19	31,449,996.39	40,488,593.97

NORTHERN ONTARIO PROPERTIES

Embracing the Abitibi, Sudbury, Nipissing, Patricia and Rural Power Districts

Held and Operated by The Hydro-Electric Power Commission of Ontario
in trust for the Province of Ontario

Renewals Reserve—October 31, 1943

Balance at November 1, 1942.....		\$3,141,543.42
Provision in the year.....	\$340,120.25	
Interest at 4% on reserve balance.....	125,661.74	
Adjustment re transfer of equipment.....	(41,076.00)	
	<u>424,705.99</u>	
		\$3,556,249.41
Expenditures in the year.....		<u>18,622.72</u>
Balance at October 31, 1943.....		<u><u>\$3,547,626.69</u></u>

Contingencies and Obsolescence Reserve—October 31, 1943

Balance at November 1, 1942.....		\$2,187,146.30
Provision in the year.....	\$388,426.57	
Interest at 4% on reserve balance.....	87,485.85	
	<u>475,912.42</u>	
		\$2,663,058.72
Contingencies met with during the year.....		<u>190,266.35</u>
Balance at October 31, 1943.....		<u><u>\$2,472,792.37</u></u>

Sinking Fund Reserve—October 31, 1943

Balance at November 1, 1942.....		\$8,486,188.99
Provision in the year.....	\$1,135,397.35	
Interest at 4% on reserve balance.....	339,447.55	
Adjustment in the year.....	(125.63)	
	<u>1,474,719.27</u>	
Balance at October 31, 1943.....		<u><u>\$9,960,908.26</u></u>

THE HAMILTON STREET RAILWAY COMPANY

**(A Subsidiary of The Hydro-Electric Power Commission of Ontario—
Southern Ontario System)**

FINANCIAL ACCOUNTS

For the Year ended October 31, 1943

Balance Sheet as at October 31, 1943

Operating Account for the Year ended October 31, 1943

THE HAMILTON STREET

(A Subsidiary of The Hydro-Electric Power

BALANCE SHEET AS AT

ASSETS

FIXED ASSETS:

Properties, road and equipment, buses franchise, etc.....\$ 4,406,347.29

CURRENT ASSETS:

Hydro-Electric Power Commission of Ontario — Current
account.....\$ 127,834.55
Conductors' and employees' advances..... 20,800.00
Accounts receivable..... 3,018.38
Interest accrued..... 225.00
Prepayments..... 6,642.97

158,520.90

MATERIALS AND SUPPLIES..... 71,648.78

INSURANCE RESERVE FUNDS—INVESTMENTS..... 104,677.71

\$ 4,741,194.68

RAILWAY COMPANY

Commission of Ontario—Southern Ontario System)

OCTOBER 31, 1943

LIABILITIES

CAPITAL STOCK:

Authorized—80,000 shares at a par value of \$50.00 each... \$ 4,000,000.00

Issued—64,100 shares at a par value of \$50.00 each.....\$ 3,205,000.00

CURRENT LIABILITIES:

Rentals accrued..... 1,186.00

RESERVES:

Depreciation—road and equipment..... 1,318,234.27

Insurance..... 119,001.45

Miscellaneous..... 74,814.31

1,512,050.03

SURPLUS..... 22,958.65

\$ 4,741,194.68

Auditors' Certificate

We have examined the Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1943, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1943, according to the best of our information and the explanations given to us, and as shown by the books of the Company. We have obtained all the information and explanations we have required.

Dated at Toronto, Ontario,
12 May, 1944.

OSCAR HUDSON AND COY.,
Chartered Accountants,

Auditors

THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—
Southern Ontario System)

Operating Statement for the Year Ended October 31, 1943

REVENUES:

Transportation.....	\$ 2,231,544.26
Other operations.....	15,211.36
	<u>\$ 2,246,755.62</u>

EXPENSES:

Maintenance of way and structures.....	\$ 80,478.90
Maintenance of equipment.....	212,531.89
Electric power and motor fuel.....	205,677.83
Transportation expenses.....	498,985.06
General and miscellaneous expenses.....	165,673.52
Taxes (municipal and franchise).....	113,161.99
Depreciation provision.....	258,795.19
Amortization instalment on Commission's investment.....	150,000.00
Interest on Commission's investment.....	123,737.66
	<u>\$ 1,809,042.04</u>

NET REVENUE FOR YEAR.....	<u>\$ 437,713.58</u>
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Surplus Account—as at October 31, 1943

Balance at credit October 31, 1942.....	\$ 13,368.35
Net revenue for year ended October 31, 1943.....	437,713.58
Adjustment of depreciation reserves.....	\$ 271,876.72
Less—Distribution to Commission's amortization reserve.....	250,000.00
	<u>21,876.72</u>
Distribution:—On account of deferred amortization instalments on Commission's investment.....	\$ 450,000.00
Balance at credit, October 31, 1943.....	22,958.65
	<u>\$ 472,958.65</u>
	<u>\$ 472,958.65</u>

SECTION X

MUNICIPAL ACCOUNTS

and

Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1943 this standard method of accounting was installed in Aurora.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1913, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from \$10,081,469.16

in 1913 to \$102,272,852.40 in 1943, and the total assets from \$11,907,826.86 to \$194,347,747.00. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932, and receding to \$19,094,240.62 in 1943. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 10.0 per cent in 1943. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$1,950,627.61 for 1943. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system or division; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically. (Statement "C" suspended, see below.)

Statement "A" presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc., and to individual customers. The total thus returned to customers during the year 1943 amounted in round figures to \$544,000.00.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 33.4 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$107,772,434.29, being equal to 105.4 per cent of the total plant cost.

Statement "B" shows the detailed operating report for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "cost of power supplied by H-E.P.C." in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.*

Of the 298 municipal electrical utilities included in this statement, 272 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$1,975,145.05 for the year; 21 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$15,111.01, in the case of 5 utilities the revenue was less than the total operating expenses, interest and debt requirement instalments by \$9,406.43.

Statement "C". Due to street lighting restrictions by the Power Controller since 1942 this statement has been omitted as it could not be used for comparative purposes.

Statement "D" presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.† For further reference to this informative statement, consult the special introduction to it on page 296.

Statement "E" presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1943, for domestic service, for commercial light service and for power service.

*In 1939 and 1940 a number of municipalities asked permission to take power cost adjustments into the following year, to facilitate the earlier closing of their books. This led to a lack of uniformity in operating statements, and in 1941 it was decided to put all municipalities' accounts on the same basis. On this account, from 1941 on, the Balance Sheet shows the previous year's equity in Hydro Commission properties; and the Cost of Power in the Operating Statement from 1941 on, includes the previous year's adjustments.

†The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.

CONSOLIDATED

YEAR.....	1913	1914	1915
Number of municipalities included.....	45	69	99
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	626,707.34	791,732.20	873,838.18
Substation equipment.....	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead..	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground.....	644,514.24	807,153.53	928,420.77
Line transformers.....	615,546.20	787,613.52	981,754.70
Meters.....	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular.....	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental..	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses....	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant.....	1,401,175.28	2,420,108.33	461,651.60
Old plant.....	341,277.00	619,513.12	1,184,372.86
Total plant.....	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance.....	450,887.97	422,350.12	284,653.96
Securities and investments.....			
Accounts receivable.....	344,487.95	561,873.08	602,920.69
Inventories.....	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures.....	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems.....			
Other assets.....	58,959.93	123,410.97	326,801.11
Total assets.....	11,907,826.86	15,249,203.36	17,683,264.07
LIABILITIES			
Debenture balance.....	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable.....	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft.....	160,919.16	228,622.50	292,106.44
Other liabilities.....	42,412.81	113,838.66	37,388.31
Total liabilities.....	10,468,351.79	12,702,689.81	14,201,343.79
RESERVES			
For equity in H-E.P.C. systems.....			
For depreciation.....	478,145.88	850,618.07	1,337,739.73
Other reserves.....			
Total reserves.....	478,145.88	850,618.07	1,337,739.73
SURPLUS			
Debentures paid.....	202,751.26	320,129.10	394,466.22
Local sinking fund.....	431,747.27	625,217.03	868,983.78
Operating surplus.....	326,830.66	750,549.35	880,730.55
Total surplus.....	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus....	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets....	88.0	88.3	80.3

NOTE—In computing the “percentage of net debt to total assets” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded

BALANCE SHEET

1916	1917	1918	1919	1920
128	143	166	191	195
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12
695,152.23	1,285,097.33	1,124,018.44	627,076.53	341,855.88
764,504.59	1,261,398.36	972,996.96	1,921,166.69	2,022,538.88
1,166,017.73	1,337,578.96	1,663,298.05	1,032,569.75	1,400,671.89
342,215.87	125,240.05	444,787.63	1,925,455.77	2,244,004.34
21,358,935.39	24,427,276.65	26,949,247.92	369,071.89	577,584.06
			86,216.05	25,447.07
			30,722,860.19	34,615,360.94
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22
1,843,804.68	2,463,723.83	3,133,550.17	373,871.89	577,584.06
			3,750,162.28	4,788,645.03
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94
78.4	75.5	71.0	67.9	65.4

from assets and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

CONSOLIDATED

YEAR.....	1921	1922	1923
Number of municipalities included.....	215	226	235
ASSETS	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,230,985.63	3,334,522.68	4,488,054.93
Substation equipment.....	5,403,689.90	5,046,857.98	6,015,919.75
Distribution system—overhead.....	8,397,361.48	11,165,330.24	13,135,581.76
Distribution system—underground.....	1,401,135.97	1,598,053.02	1,959,120.41
Line transformers.....	3,077,649.83	3,618,684.73	4,211,655.89
Meters.....	3,552,076.79	4,033,689.52	4,548,933.73
Street lighting equipment—regular.....	1,335,997.13	1,419,016.05	1,061,473.85
Street lighting equipment—ornamental.....	610,586.70	666,084.50	708,431.22
Miscellaneous construction expenses.....	3,030,134.16	3,261,495.74	3,681,274.88
Steam or hydraulic plant.....	704,848.46	565,158.54	566,619.86
Old plant.....	912,388.55	7,997,947.87	8,051,496.28
Total plant.....	31,656,854.60	42,706,840.87	48,428,562.56
Bank and cash balance.....	900,842.34	1,164,336.24	1,276,140.06
Securities and investments.....	477,678.69	443,938.18	1,153,424.47
Accounts receivable.....	2,155,788.62	3,874,317.14	3,198,769.34
Inventories.....	1,504,596.28	1,738,795.96	1,819,711.62
Sinking fund on local debentures.....	2,541,718.35	3,416,231.45	3,896,261.28
Equity in H-E.P.C. systems.....	795,570.51	1,543,434.12	2,929,603.94
Other assets.....	78,929.84	238,940.13	190,071.63
Total assets.....	40,111,979.23	55,126,834.09	62,892,544.90
LIABILITIES			
Debenture balance.....	21,619,220.99	30,454,186.12	33,056,501.29
Accounts payable.....	1,887,567.93	3,699,292.52	3,708,781.76
Bank overdraft.....	989,099.98	456,706.69	680,714.59
Other liabilities.....	938,368.84	586,203.02	1,517,828.47
Total liabilities.....	25,434,257.74	35,196,388.35	38,963,826.11
RESERVES			
For equity in H-E.P.C. systems.....	800,249.05	1,543,434.12	2,929,603.94
For depreciation.....	5,491,858.93	6,512,813.92	7,328,858.69
Other reserves.....			
Total reserves.....	6,292,107.98	8,056,248.04	10,258,462.63
SURPLUS			
Debentures paid.....	1,860,079.53	3,104,591.15	2,852,038.38
Local sinking fund.....	2,541,718.35	3,416,231.45	3,896,261.28
Operating surplus.....	3,983,815.63	5,353,375.10	6,921,956.50
Total surplus.....	8,385,613.51	11,874,197.70	13,670,256.16
Total liabilities, reserves and surplus.....	40,111,979.23	55,126,834.09	62,892,544.90
Percentage of net debt to total assets.....	64.7	63.3	62.6

BALANCE SHEET—Continued

1924	1925	1926	1927	1928
248	247	251	252	256
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,561,648.92	5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76
6,800,238.00	8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21
14,182,190.33	16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68
2,873,446.13	3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16
4,456,669.02	5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64
5,149,629.71	5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90
1,134,491.77	1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24
728,298.08	893,186.48	1,103,660.23	1,184,035.82	1,203,706.65
4,168,262.21	4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92
4,196,803.45	568,912.49	628,909.57	607,320.00	619,880.93
5,587,420.31	4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26
53,839,097.93	56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35
1,748,912.34	1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07
1,329,622.58	1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51
3,898,751.89	3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13
1,745,628.16	1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56
250,292.77	137,280.05	33,151.81	31,942.45	153,275.04
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45
38,005,162.50	37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78
3,117,224.08	3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25
162,100.71	226,147.82	163,725.53	252,362.52	253,143.81
1,780,564.27	1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23
43,065,051.56	42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07
5,420,567.58	7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56
8,097,834.68	8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68
.....	1,157,147.20	947,970.23	1,002,916.69	1,117,257.63
13,518,402.26	17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87
3,530,610.35	4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61
4,520,723.06	5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69
8,118,809.08	8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21
16,170,142.49	17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51
72,753,596.31	77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45
61.4	57.2	55.5	54.2	50.8

CONSOLIDATED

YEAR.....	1929	1930	1931
Number of municipalities included.....	260	267	275
ASSETS			
Lands and buildings.....	\$ 7,469,451.46	\$ 7,936,974.31	\$ 8,407,664.48
Substation equipment.....	18,102,792.13	19,485,056.28	21,013,956.74
Distribution system—overhead.....	18,108,016.82	19,220,326.48	19,918,355.76
Distribution system—underground.....	4,823,369.60	4,932,189.05	5,361,627.24
Line transformers.....	7,312,742.17	7,953,090.23	8,649,875.07
Meters.....	7,405,478.91	7,840,948.07	8,106,202.88
Street lighting equipment—regular.....	1,594,183.25	1,780,785.67	2,205,613.18
Street lighting equipment—ornamental.....	1,458,349.64	1,520,891.01	1,456,742.91
Miscellaneous construction expenses.....	3,483,487.78	3,996,747.77	3,827,132.05
Steam or hydraulic plant.....	489,097.67	139,587.28	458,374.05
Old plant.....	5,093,378.75	5,322,690.14	7,146,437.96
Other plants not distributed.....			
Total plant.....	75,340,348.08	80,129,286.29	86,551,982.32
Bank and cash balance.....	858,733.68	2,722,250.12	2,738,319.67
Securities and investments.....	2,001,088.81	1,909,439.11	1,999,846.42
Accounts receivable.....	4,683,201.97	4,481,006.92	3,957,972.78
Inventories.....	1,365,033.58	1,242,994.51	1,276,531.01
Sinking fund on local debentures.....	7,753,613.88	8,396,255.47	8,735,050.84
Equity in H-E.P.C. systems.....	14,754,865.40	17,346,372.44	20,103,275.76
Other assets.....	152,260.86	173,030.05	174,879.28
Total assets.....	106,909,146.26	116,400,634.91	125,537,858.08
LIABILITIES			
Debenture balance.....	42,930,127.74	45,091,808.06	44,594,400.03
Accounts payable.....	3,132,145.03	3,001,186.21	5,382,306.13
Bank overdraft.....	412,056.69	405,663.14	312,575.54
Other liabilities.....	1,621,378.17	1,642,771.59	1,909,986.13
Total liabilities.....	48,095,707.63	50,141,429.00	52,199,267.83
RESERVES			
For equity in H-E.P.C. systems.....	14,754,865.40	17,346,372.44	20,103,275.76
For depreciation.....	11,911,154.49	12,885,387.51	13,748,049.68
Other reserves.....	1,437,371.26	1,574,655.74	1,693,129.83
Total reserves.....	28,103,391.15	31,806,415.69	35,544,455.27
SURPLUS			
Debentures paid.....	9,194,253.59	10,728,279.15	13,150,040.37
Local sinking fund.....	7,962,121.20	8,396,255.47	8,735,050.84
Operating surplus.....	13,553,672.69	15,328,255.60	15,909,043.77
Total surplus.....	30,710,047.48	34,452,790.22	37,794,134.98
Total liabilities, reserves and surplus.....	106,909,146.26	116,400,634.91	125,537,858.08
Percentage of net debt to total assets.....	47.8	46.0	44.1

BALANCE SHEET—Continued

1932	1933	1934	1935	1936
280	282	282	284	283
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,503,743.78	10,186,471.28	10,262,692.98	10,381,191.41	10,528,595.34
22,288,781.68	22,306,800.94	22,327,618.75	22,072,115.14	22,162,208.03
20,866,767.32	21,152,681.20	21,353,725.80	21,650,567.75	22,163,701.17
5,820,056.75	5,945,225.61	6,031,767.74	6,068,724.47	6,070,337.02
9,392,662.62	9,478,605.14	9,635,279.35	9,678,578.13	9,845,939.94
8,403,251.67	8,514,165.03	8,624,504.78	8,767,892.27	9,043,615.65
2,257,618.20	2,381,599.40	2,395,296.48	2,420,238.81	2,527,188.03
1,545,354.93	1,458,443.68	1,464,306.73	1,486,302.46	1,504,596.77
4,120,926.11	4,040,859.74	3,907,359.92	3,616,986.74	4,019,430.59
498,231.69	502,978.62	494,932.96	496,050.14	496,186.33
4,989,654.97	5,016,755.92	4,978,079.44	4,917,917.43	4,876,405.43
200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
89,887,049.72	91,184,586.56	91,675,564.93	91,756,564.75	93,438,204.30
3,185,442.00	1,696,489.24	2,215,914.31	2,927,485.90	3,921,121.28
2,059,325.10	2,163,785.20	2,382,446.41	2,593,633.59	2,924,913.30
3,683,059.42	3,746,910.92	4,001,596.09	4,363,297.95	4,560,713.55
1,232,209.52	1,226,043.30	1,110,705.38	1,212,063.37	1,261,843.81
9,099,210.61	9,386,176.58	9,161,419.77	9,086,152.46	9,535,712.83
23,066,129.81	26,045,679.00	29,274,340.46	32,609,979.83	36,193,874.21
163,637.79	253,581.84	289,158.19	301,317.86	203,167.35
132,376,063.97	135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63
45,133,305.97	42,606,145.29	39,646,989.68	36,667,080.62	34,485,507.43
3,512,724.58	3,320,485.45	3,149,035.07	2,931,934.14	2,879,497.45
298,910.20	206,398.00	143,556.95	72,084.93	25,559.95
3,740,376.11	3,787,725.14	3,669,008.56	3,462,906.61	3,267,141.59
52,685,316.86	49,920,753.88	46,608,590.26	43,134,006.30	40,657,706.42
23,066,129.81	26,045,679.00	29,274,340.46	32,609,979.83	36,193,874.21
14,902,177.02	16,075,959.28	17,426,809.32	18,410,891.84	19,666,170.18
1,902,308.64	2,048,081.84	2,056,820.81	2,459,074.98	2,763,100.40
39,870,615.47	44,169,720.12	48,757,970.59	53,479,946.65	58,623,144.79
15,244,778.28	17,651,367.71	20,608,129.73	23,481,974.13	26,084,294.84
9,099,210.61	9,386,176.58	9,161,419.77	9,086,152.46	9,535,712.83
15,476,142.75	14,575,234.35	14,975,035.19	15,668,416.17	17,138,691.75
39,820,131.64	41,612,778.64	44,744,584.69	48,236,542.76	52,758,699.42
132,376,063.97	135,703,252.64	140,111,145.54	144,850,495.71	152,039,550.63
43.4	40.4	35.9	32.0	28.3

CONSOLIDATED

YEAR.....	1937	1938	1939
Number of municipalities included.....	287	288	293
ASSETS			
	\$ c.	\$ c.	\$ c.
Lands and buildings.....	10,785,473.59	10,894,019.12	11,030,623.50
Substation equipment.....	22,900,269.21	23,614,597.80	23,780,655.18
Distribution system—overhead.....	22,699,652.43	23,371,092.61	23,925,362.60
Distribution system—underground.....	6,100,282.76	6,134,283.64	6,202,371.87
Line transformers.....	10,128,591.29	10,494,789.40	10,855,346.75
Meters.....	9,234,773.90	9,539,413.66	9,838,600.98
Street lighting equipment—regular.....	2,610,137.97	2,697,047.84	2,798,171.62
Street lighting equipment—ornamental.....	1,508,564.76	1,516,059.81	1,518,035.24
Miscellaneous construction expenses.....	4,389,592.08	4,444,880.40	4,147,280.84
Steam or hydraulic plant.....	496,186.33	497,974.74	498,650.81
Old plant.....	4,878,609.01	4,897,097.67	4,894,655.59
Total plant.....	95,732,133.33	98,101,256.69	99,489,754.98
Bank and cash balance.....	3,080,864.13	3,043,609.87	3,107,087.65
Securities and investments.....	4,469,369.04	4,832,322.57	4,850,531.80
Accounts receivable.....	4,240,741.41	4,106,655.16	4,774,816.58
Inventories.....	1,336,527.60	1,393,158.18	1,496,275.62
Sinking fund on local debentures.....	10,003,873.93	10,397,958.20	11,032,594.44
Equity in H-E.P.C. systems.....	40,032,438.34	44,254,118.64	48,615,296.94
Other assets.....	186,252.23	178,534.60	156,520.39
Total assets.....	159,082,200.01	166,307,613.91	173,522,878.40
LIABILITIES			
Debenture balance.....	32,447,411.68	29,987,512.34	27,962,685.51
Accounts payable.....	2,912,960.24	3,334,802.82	3,100,565.26
Bank overdraft.....	34,787.51	108,753.61	180,064.81
Other liabilities.....	3,216,028.08	3,120,619.84	2,998,174.20
Total liabilities.....	38,611,187.51	36,551,688.61	34,241,489.78
RESERVES			
For equity in H-E.P.C. systems.....	40,032,438.34	44,254,118.64	48,615,296.94
For depreciation.....	21,034,164.68	22,583,476.69	24,046,526.92
Other reserves.....	2,802,650.84	2,814,785.08	3,090,471.34
Total reserves.....	63,869,253.86	69,652,380.41	75,752,295.20
SURPLUS			
Debentures paid.....	28,468,539.78	30,890,189.93	32,866,660.82
Local sinking fund.....	10,003,873.93	10,397,958.20	11,032,594.44
Operating surplus.....	18,129,344.93	18,815,396.76	19,629,838.16
Total surplus.....	56,601,758.64	60,103,544.89	63,529,093.42
Total liabilities, reserves and surplus.....	159,082,200.01	166,307,613.91	173,522,878.40
Percentage of net debt to total assets....	25.2	22.4	19.3

BALANCE SHEET—Concluded

1940	1941	1942	1943
295	296	297	298
\$ c.	\$ c.	\$ c.	\$ c.
11,218,258.69	11,488,173.96	11,546,286.55	11,664,887.81
24,282,151.78	24,896,262.26	25,359,352.47	25,392,202.96
24,653,458.44	25,228,363.52	25,572,132.86	25,773,224.22
6,214,957.69	6,391,399.25	6,446,133.75	6,451,393.47
11,030,643.29	11,817,440.89	12,209,624.79	12,353,367.17
9,927,971.40	10,644,655.81	10,938,305.73	11,117,612.15
2,879,996.65	2,940,055.38	2,928,896.30	2,903,704.11
1,534,320.08	1,540,369.82	1,543,717.00	1,542,294.82
4,341,259.94	4,366,893.41	4,091,006.92	3,740,027.08
498,575.87	445,118.58	422,172.72	397,576.71
1,332,606.12	1,329,860.41	1,028,830.05	936,561.90
97,914,199.95	101,088,593.29	102,086,459.14	102,272,852.40
4,462,197.18	2,991,173.27	2,482,945.50	2,341,996.68
5,315,855.49	8,368,139.57	12,592,455.09	17,037,057.29
4,715,848.86	4,116,252.29	3,614,066.68	3,347,449.72
1,630,987.28	1,984,025.53	2,047,430.38	1,750,799.42
5,829,573.87	5,530,647.79	5,445,199.46	5,028,551.56
52,457,676.76	52,458,225.18	57,080,491.77	62,031,673.13
258,395.70	226,034.26	197,190.92	537,366.80
172,584,735.09	176,763,091.18	185,546,238.94	194,347,747.00
20,636,363.20	17,805,415.36	16,184,642.53	13,657,032.51
3,095,613.25	3,088,145.27	2,399,404.91	2,699,630.77
187,038.91	302,744.63	105,571.05	118,834.40
3,004,624.22	2,987,132.70	2,806,844.10	2,618,742.94
26,923,638.58	24,183,437.96	21,496,462.59	19,094,240.62
52,457,676.76	52,458,225.18	57,080,491.77	62,031,673.13
25,733,628.33	27,795,985.72	29,840,207.73	32,138,469.64
3,326,591.65	3,592,384.90	4,907,609.88	5,449,398.96
81,517,896.74	83,846,595.80	91,828,309.38	99,619,541.73
37,245,922.84	39,943,340.75	41,183,741.27	43,552,091.22
5,829,573.87	5,530,647.79	5,445,199.46	5,028,551.56
21,067,703.06	23,259,068.88	25,592,526.24	27,053,321.87
64,143,199.77	68,733,057.42	72,221,466.97	75,633,964.65
172,584,735.09	176,763,091.18	185,546,238.94	194,347,747.00
17.4	14.6	11.9	10.0

CONSOLIDATED

YEAR	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service		572,154.38	789,130.81	944,271.08
Commercial light service		525,438.16	673,803.92	720,209.26
Commercial power service		905,378.17	1,214,829.31	1,501,797.78
Municipal power				
Street lighting		560,925.56	698,409.71	835,970.87
Rural service				
Miscellaneous		53,543.24	57,482.41	68,046.29
Total earnings	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
EXPENSES				
Cost of power supplied by H-E.P.C.		789,632.87	1,045,752.65	1,484,666.00
Substation operation		78,394.81	97,658.90	107,607.31
Substation maintenance		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance		104,114.51	130,998.65	154,409.71
Line transformer maintenance		8,547.61	11,764.32	11,508.92
Meter maintenance		5,222.19	9,536.07	12,899.14
Consumers' premises expenses		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance		84,903.76	113,047.80	136,983.38
Promotion of business		72,303.51	86,683.02	74,402.55
Billing and collecting		77,351.76	103,560.71	131,541.27
General office, salaries and expenses		154,932.69	230,899.75	236,777.86
Undistributed expense		65,423.64	89,350.91	129,209.15
Interest		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures		*	*	*
Total expenses	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation	115,513.53	313,580.87	397,444.51	284,374.29

*Debenture payments included in "Interest."

OPERATING REPORT

1916	1917	1918	1919	1920
128	143	166	181	186
\$ c. 1,172,878.96 812,130.78 1,921,152.31 930,057.48 147,381.50 4,983,601.03	\$ c. 1,417,460.31 899,023.72 2,665,280.65 967,495.10 120,805.39 6,070,065.17	\$ c. 1,632,272.12 968,399.42 3,417,248.37 902,875.55 161,243.70 7,082,039.16	\$ c. 1,991,632.31 1,175,143.56 3,443,107.13 988,900.95 228,270.65 7,827,054.60	\$ c. 2,546,345.30 1,512,854.63 3,752,188.22 532,279.09 1,005,535.11 168,919.95 189,778.63 9,707,900.93
1,959,446.83 153,761.08 46,131.53 154,247.17 14,528.17 24,218.48 52,602.01 145,471.50 79,324.85 154,508.58 306,709.35 97,333.97 951,781.99 * 4,140,065.51	2,573,879.37 203,091.20 42,129.04 169,326.24 25,328.95 44,461.55 61,765.14 157,857.73 73,516.37 188,083.84 349,932.05 102,938.80 1,085,180.80 * 5,077,491.08	2,807,769.33 238,257.34 60,805.92 223,347.81 30,488.83 63,155.56 65,149.59 196,157.18 64,962.78 208,660.76 421,680.15 117,474.07 1,238,425.53 * 5,736,334.85	3,284,490.68 217,638.89 81,853.63 286,310.76 42,509.12 78,726.64 84,301.24 215,963.86 74,789.22 236,504.75 452,131.22 190,690.09 1,285,571.51 * 6,531,481.61	4,216,667.87 285,407.35 102,050.81 344,551.57 46,323.09 123,701.18 116,283.52 236,930.79 78,294.85 295,942.88 559,695.29 256,400.33 1,431,807.16 * 8,094,056.69
843,535.52 486,141.80 357,393.72	992,574.09 607,296.29 385,277.80	1,345,704.31 718,162.30 627,542.01	1,295,572.99 814,219.37 481,353.62	1,613,844.24 902,028.75 711,815.49

*Debenture payments included in "Interest."

CONSOLIDATED

YEAR.....	1921	1922	1923
Number of municipalities included.....	205	214	224
EARNINGS	\$ c.	\$ c.	\$ c.
Domestic service.....	3,149,080.03	3,786,608.23	5,166,452.24
Commercial light service.....	1,851,501.76	2,158,306.34	3,260,772.50
Commercial power service.....	3,895,437.46	4,383,912.97	5,927,666.37
Municipal power.....	654,531.01	973,263.38	1,161,598.60
Street lighting.....	1,060,357.77	1,160,446.81	1,269,604.48
Rural service.....	145,566.57	105,877.09	116,639.06
Miscellaneous.....	225,467.70	187,689.39	316,311.21
Total earnings.....	10,981,942.30	12,756,104.21	17,219,044.46
EXPENSES			
Cost of power supplied by H-E.P.C....	4,876,650.31	6,636,853.37	8,699,026.67
Substation operation.....	314,838.35	315,443.70	474,442.13
Substation maintenance.....	104,798.01	100,763.67	133,815.53
Distribution system, operation and maintenance.....	487,918.33	519,252.16	636,477.41
Line transformer maintenance.....	65,088.46	52,932.26	75,920.10
Meter maintenance.....	116,722.97	107,806.88	139,104.81
Consumers' premises expenses.....	134,854.92	143,388.88	218,682.02
Street lighting, operation and maintenance.....	297,481.52	297,363.86	299,579.08
Promotion of business.....	101,804.46	129,932.63	184,371.00
Billing and collecting.....	321,685.71	338,153.50	444,306.92
General office, salaries and expenses....	656,268.11	605,852.50	937,463.47
Undistributed expense.....	308,874.42	385,895.03	359,206.91
Interest.....	998,611.47	1,074,657.44	1,615,205.16
Sinking fund and principal payments on debentures.....	532,183.96	635,469.90	990,907.14
Total expenses.....	9,317,781.00	11,343,765.78	15,208,508.35
Surplus.....	1,664,161.30	1,412,338.43	2,010,536.11
Depreciation and other reserves.....	1,044,434.85	715,814.24	916,782.75
Surplus less depreciation.....	619,726.45	696,524.19	1,093,753.36

OPERATING REPORT—Continued

1924	1925	1926	1927	1928
241	242	248	251	255
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,993,231.07	6,439,159.86	7,372,602.62	8,189,866.89	8,925,050.56
3,566,227.22	3,866,292.79	4,187,899.19	4,626,815.51	5,182,723.32
6,222,865.88	6,568,854.77	6,789,217.54	7,342,173.20	8,298,669.44
1,352,966.47	1,923,093.09	1,922,512.34	1,913,502.88	1,921,300.97
1,356,668.97	1,415,382.22	1,457,686.21	1,489,242.37	1,534,476.98
75,100.24	37,975.18	37,810.73	13,765.72	*48,451.90
231,663.58	286,451.08	471,134.15	581,913.04	465,791.92
18,798,723.43	20,537,208.99	22,238,862.78	24,157,279.61	26,376,465.09
9,669,789.40	11,063,123.34	12,185,669.10	13,505,583.77	14,688,570.08
430,056.09	417,921.71	450,416.84	430,211.76	420,512.48
202,050.04	207,497.63	286,520.37	275,148.86	247,647.88
648,700.62	686,344.54	795,514.70	758,747.10	736,159.85
82,936.50	75,473.28	74,876.11	94,706.38	88,676.18
141,231.23	156,909.55	189,603.70	214,813.87	218,530.96
237,316.20	252,808.47	275,020.62	285,352.68	291,333.03
269,973.30	275,316.60	295,869.37	318,395.79	329,597.16
202,060.74	217,102.24	234,696.74	220,687.60	249,842.01
490,273.30	521,134.01	557,271.54	605,627.58	638,797.02
889,907.66	891,640.29	786,742.60	824,868.90	844,578.55
494,078.50	520,584.58	460,288.30	531,003.80	542,755.34
1,779,991.26	1,889,810.95	1,985,233.73	2,063,698.00	2,111,049.49
1,122,798.87	1,294,027.29	1,347,511.92	1,505,626.31	1,601,711.32
16,661,163.71	18,469,694.48	19,925,235.64	21,634,472.40	23,009,761.35
2,137,559.72	2,067,514.51	2,313,627.14	2,522,807.21	3,366,703.74
973,649.62	1,068,880.42	1,146,273.05	1,249,711.65	1,350,252.16
1,163,910.10	998,634.09	1,167,354.09	1,273,095.56	2,016,451.58

*Profits from the sale of merchandise. Rural service now given in rural power districts.

CONSOLIDATED

YEAR.....	1929	1930	1931
Number of municipalities included.....	259	267	275
EARNINGS			
Domestic service.....	\$ 9,873,681.57 c.	\$ 10,542,903.89 c.	\$ 10,972,952.10 c.
Commercial light service.....	5,697,766.06	5,961,383.23	6,230,475.89
Commercial power service.....	9,376,158.74	9,340,653.28	9,456,224.97
Municipal power.....	2,086,444.24	2,111,482.38	1,967,118.54
Street lighting.....	1,598,262.43	1,674,528.03	1,746,855.24
Merchandise.....	51,590.54	28,954.60	29,446.38
Miscellaneous.....	522,780.95	581,914.78	511,139.80
Total earnings.....	29,206,684.53	30,241,820.19	30,914,212.92
EXPENSES			
Cost of power supplied by H-E.P.C....	16,379,162.88	17,323,077.97	18,085,166.51
Substation operation.....	461,270.27	479,502.48	487,484.17
Substation maintenance.....	274,275.56	320,716.48	303,536.11
Distribution system, operation and maintenance.....	907,817.04	991,972.86	1,015,256.14
Line transformer maintenance.....	93,608.14	96,746.35	93,463.24
Meter maintenance.....	242,126.27	278,379.43	284,633.88
Consumers' premises expenses.....	314,495.03	317,902.45	363,078.47
Street lighting, operation and maintenance.....	359,373.40	372,211.07	368,119.49
Promotion of business.....	250,844.28	249,070.05	255,956.03
Billing and collecting.....	695,729.42	745,159.02	792,983.99
General office, salaries and expenses.....	904,025.64	907,226.89	923,676.84
Undistributed expense.....	502,206.06	523,862.96	520,893.10
Truck operation and maintenance.....	110,630.62	112,029.82	107,918.93
Interest.....	2,152,695.49	2,220,214.45	2,328,094.32
Sinking fund and principal payments on debentures.....	1,687,201.64	1,828,061.62	2,061,718.79
Total expenses.....	25,335,461.74	26,766,134.00	27,991,980.01
Surplus.....	3,871,222.79	3,475,686.19	2,922,232.91
Depreciation and other reserves.....	1,469,846.83	1,574,991.68	1,775,330.69
Surplus less depreciation.....	2,401,375.96	1,900,694.51	1,146,902.22

OPERATING REPORT—Continued

1932	1933	1934	1935	1936
280	282	282	284	283
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
11,447,307.85	11,429,101.13	11,844,033.10	12,145,219.89	12,682,140.18
6,243,794.01	6,013,025.96	6,206,086.35	6,453,748.57	6,815,439.16
9,356,693.88	9,080,522.07	9,692,784.37	10,211,968.71	10,694,192.44
1,859,585.35	1,826,872.07	1,875,969.80	1,821,285.82	1,817,986.94
1,783,972.46	1,779,582.48	1,777,596.69	1,788,760.38	1,799,420.87
*11,069.27	*12,812.74	18,747.73	21,669.98	23,158.76
513,787.30	485,925.43	555,172.04	562,285.82	575,825.49
31,216,210.12	30,627,841.88	31,970,390.08	33,009,939.17	34,408,163.84
19,109,036.25	19,330,861.58	19,591,887.79	20,053,676.40	20,486,582.65
503,351.82	484,764.57	468,944.09	478,813.83	478,855.71
300,186.15	288,583.29	296,550.52	297,127.27	301,897.24
969,750.51	895,350.99	844,813.95	830,633.88	855,576.02
95,485.55	82,321.32	75,172.18	70,749.63	72,711.67
300,104.85	283,115.98	291,402.79	313,234.11	328,410.90
368,208.73	361,499.20	352,499.09	340,761.52	306,644.80
360,709.76	353,082.15	338,784.80	340,120.36	356,932.01
266,760.84	259,936.42	228,741.36	252,648.33	288,338.93
818,721.33	817,660.03	827,860.20	835,375.90	945,892.70
960,558.88	908,517.79	908,039.75	943,880.18	967,269.06
436,692.96	349,101.36	362,322.12	360,676.96	448,332.98
112,059.90	105,452.68	98,081.61	95,150.54	69,805.06
2,532,940.93	2,426,286.35	2,204,994.25	2,040,130.35	1,893,304.28
2,244,367.86	2,319,319.09	2,358,169.12	2,423,088.34	2,448,223.80
29,378,936.42	29,265,852.80	29,248,263.62	29,686,067.60	30,248,777.81
1,837,273.70	1,361,989.08	2,722,126.46	3,323,871.57	4,159,386.03
1,920,896.22	1,989,000.41	2,036,637.33	2,076,322.24	2,230,021.86
83,622.52 (loss)	627,011.33 (loss)	685,489.13	1,247,549.33	1,929,364.17

CONSOLIDATED

YEAR.....	1937	1938	1939
Number of municipalities included.....	287	288	293
EARNINGS	\$ c.	\$ c.	\$ c.
Domestic service.....	12,448,345.63	12,607,601.30	13,038,748.37
Commercial light service.....	6,510,685.15	6,727,374.48	7,077,144.74
Commercial power service.....	11,063,764.43	10,527,631.36	10,957,719.66
Municipal power.....	1,731,311.34	1,677,069.34	1,760,977.25
Street lighting.....	1,781,363.37	1,813,555.27	1,831,090.33
Merchandise.....	22,971.02	26,588.18	28,874.86
Miscellaneous.....	607,035.54	602,012.80	595,235.49
Total earnings.....	34,165,476.48	33,981,832.73	35,289,790.70
EXPENSES			
Cost of power supplied by H-E.P.C....	20,532,736.85	20,575,457.95	21,855,595.20
Substation operation.....	490,737.94	493,651.06	516,987.25
Substation maintenance.....	300,389.49	351,013.94	377,013.25
Distribution system, operation and maintenance.....	889,990.11	921,064.94	943,859.59
Line transformer maintenance.....	81,365.18	94,040.92	95,577.72
Meter maintenance.....	343,658.47	384,357.58	386,145.71
Consumers' premises expenses.....	420,366.36	483,012.96	488,980.55
Street lighting, operation and maintenance.....	364,325.53	373,065.44	384,071.55
Promotion of business.....	294,574.21	309,626.97	317,467.64
Billing and collecting.....	980,540.10	987,040.66	1,008,065.66
General office, salaries and expenses....	940,890.76	931,120.05	966,550.98
Undistributed expense.....	476,370.44	430,609.32	463,456.65
Truck operation and maintenance.....	77,995.38	84,111.05	80,263.46
Interest.....	1,752,287.58	1,642,663.25	1,594,040.32
Sinking fund and principal payments on debentures.....	2,429,565.06	2,424,098.70	2,420,441.30
Total expenses.....	30,375,793.46	30,484,934.79	31,898,516.83
Surplus.....	3,789,683.02	3,496,897.94	3,391,273.87
Depreciation and other reserves.....	2,329,625.64	2,451,529.46	2,524,364.33
Surplus less depreciation.....	1,460,057.38	1,045,368.48	866,909.54

OPERATING REPORT—Concluded

1940	1941	1942	1943
295	296	297	298
<div>\$ c.</div> <div>13,705,710.79</div> <div>7,642,679.90</div> <div>12,458,439.08</div> <div>1,741,235.23</div> <div>1,842,443.63</div> <div>56,818.83</div> <div>577,959.98</div>	<div>\$ c.</div> <div>14,287,828.19</div> <div>7,885,693.81</div> <div>14,591,053.03</div> <div>1,832,379.38</div> <div>1,880,560.01</div> <div>58,695.51</div> <div>526,771.53</div>	<div>\$ c.</div> <div>14,874,937.14</div> <div>7,604,860.27</div> <div>15,433,320.91</div> <div>2,026,826.92</div> <div>1,820,216.28</div> <div>50,276.58</div> <div>680,825.29</div>	<div>\$ c.</div> <div>14,933,681.48</div> <div>6,713,348.61</div> <div>15,687,273.31</div> <div>2,031,027.12</div> <div>1,686,149.29</div> <div>31,300.28</div> <div>782,170.04</div>
38,025,287.44	41,062,981.46	42,491,263.39	41,864,950.13
<div>23,756,863.14</div> <div>544,234.10</div> <div>322,375.73</div> <div>930,055.53</div> <div>101,617.16</div> <div>372,562.74</div> <div>568,135.41</div> <div>366,911.70</div> <div>293,022.17</div> <div>1,020,648.93</div> <div>960,065.70</div> <div>555,414.26</div> <div>79,848.64</div> <div>1,464,381.29</div> <div>2,389,723.60</div> <div>33,725,860.10</div> <div>4,299,427.34</div> <div>2,644,127.10</div> <div>1,655,300.24</div>	<div>26,017,260.84</div> <div>552,820.54</div> <div>316,677.27</div> <div>993,886.44</div> <div>114,304.18</div> <div>409,252.72</div> <div>604,642.97</div> <div>379,905.55</div> <div>262,910.03</div> <div>1,074,173.90</div> <div>1,053,367.83</div> <div>480,317.80</div> <div>93,032.89</div> <div>1,027,985.34</div> <div>2,248,937.42</div> <div>35,629,475.72</div> <div>5,433,505.74</div> <div>2,933,730.99</div> <div>2,499,774.75</div>	<div>26,459,900.78</div> <div>581,259.02</div> <div>361,643.95</div> <div>1,087,818.81</div> <div>133,888.95</div> <div>440,877.18</div> <div>513,565.10</div> <div>397,614.93</div> <div>193,692.33</div> <div>1,171,345.63</div> <div>1,067,535.39</div> <div>553,599.71</div> <div>99,379.20</div> <div>973,383.83</div> <div>2,006,148.29</div> <div>36,041,653.10</div> <div>6,449,610.29</div> <div>3,586,198.82</div> <div>2,863,411.47</div>	<div>26,587,877.32</div> <div>612,227.01</div> <div>370,797.74</div> <div>1,143,720.84</div> <div>145,094.88</div> <div>443,307.27</div> <div>527,810.36</div> <div>380,405.50</div> <div>171,894.14</div> <div>1,226,185.63</div> <div>1,117,334.29</div> <div>510,448.34</div> <div>94,830.33</div> <div>844,161.48</div> <div>1,871,119.81</div> <div>36,047,214.94</div> <div>5,817,735.19</div> <div>3,867,107.58</div> <div>1,950,627.61</div>

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION

Municipality.....	Acton	Agincourt	Ailsa Craig 446	Alvinston	Amherst- burg 2,709
Population.....	1,927	P.V.		648	
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	1,627.38			133.56	
Substation equipment.....	2,318.36				
Distribution system—overhead.....	27,162.84	9,490.66	7,844.15	16,404.91	39,549.62
Distribution system—underground.....					
Line transformers.....	16,129.81	5,952.83	3,814.67	2,941.70	21,949.97
Meters.....	12,315.45	3,255.80	2,780.29	3,574.76	16,920.35
Street light equipment, regular.....	2,436.65	1,030.30	457.58	1,280.09	1,587.79
Street light equipment, ornamental.....					5,598.72
Miscellaneous construction expense.....	1,758.81	23.30	492.36	996.56	6,144.58
Steam or hydraulic plant.....					
Old plant.....					
Total plant.....	63,749.30	19,752.89	15,389.05	25,331.58	91,751.03
Bank and cash balance.....	4,025.50	1,298.23	1,180.77	879.63	3,443.32
Securities and investments.....	17,000.00	10,500.00	9,500.00	9,000.00	33,250.00
Accounts Receivable.....	743.83	117.20	694.17	46.88	1,179.78
Inventories.....	1,170.87				66.20
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	84,779.25	13,657.49	18,048.46	18,093.53	65,910.31
Other assets.....	0.39				1,132.31
Total assets.....	171,469.14	45,325.81	44,812.45	53,351.62	196,732.95
Deficit.....					
Total.....	171,469.14	45,325.81	44,812.45	53,351.62	196,732.95
LIABILITIES					
Debenture balance.....					7,450.14
Accounts payable.....	352.30	560.48	241.54	4.63	1,091.77
Bank overdraft.....					
Other liabilities.....	1,035.49		160.00	73.00	6,731.65
Total liabilities.....	1,387.79	560.48	401.54	77.63	15,273.56
RESERVES					
For equity in H-E.P.C. systems.....	84,779.25	13,657.49	18,048.46	18,093.53	65,910.31
For depreciation.....	13,624.79	4,117.08	7,816.48	10,615.15	31,392.96
Other reserves.....	2,200.00	1,542.90		59.50	5,874.92
Total reserves.....	100,604.04	19,317.47	25,864.94	28,768.18	103,178.19
SURPLUS					
Debentures paid.....	14,500.00	8,072.65	6,883.38	23,529.24	24,603.46
Local sinking fund.....					
Operating Surplus. —.....	54,977.31	17,375.21	11,662.59	976.57	53,677.74
Total surplus.....	69,477.31	25,447.86	18,545.97	24,505.81	78,281.20
Total liabilities, reserves and surplus.....	171,469.14	45,325.81	44,812.45	53,351.62	196,732.95
Percentage of net debt to total assets.....	1.6	1.8	1.5	0.2	7.7

“A”

Hydro Municipalities as at December 31, 1943

Ancaster Twp.	Arkona 368	Aurora 2,914	Aylmer 2,474	Ayr 693	Baden P.V.	Beachville P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
20,782.78	10,055.73	1,000.00 1,400.00 24,010.20	11,013.84	125.00	660.64	176.13
14,822.28	2,303.10	23,578.30	16,148.13	5,616.06	8,647.60	4,841.14
6,320.17	1,945.77	13,944.30	13,739.40	4,466.40	4,414.20	3,769.07
1,537.36	750.31	6,227.00	4,208.00	1,162.14	738.66	444.23
908.64	262.61	924.01	2,235.03	822.49	55.95	533.36
	1,030.30		6,469.47	4,002.53		
44,371.23	16,347.82	71,083.81	81,224.34	29,281.55	24,130.59	25,293.70
3,230.34	597.55	10.00	4,297.16	713.86	127.66	2,565.39
4,000.00	2,000.00	5,000.00	16,000.00	3,000.00	4,000.00	12,600.00
714.58	33.64	797.98	1,186.80	609.57	794.87	291.23
			231.45			
21,105.05	7,515.00		52,571.97	18,092.48	38,076.23	49,212.62
3.54		13.98	0.42			
73,424.74	26,494.01	76,905.77	155,512.14	51,697.46	67,129.35	89,962.94
73,424.74	26,494.01	76,905.77	155,512.14	51,697.46	67,129.35	89,962.94
6,072.89	2,085.73		5,601.56	2,335.06		
1,381.35	.64	170.62	339.29		33.85	1,548.19
		2,222.94				
228.17	14.00	418.00	802.16	12.00	5.00	
7,682.41	2,100.37	2,811.56	6,743.01	2,347.06	38.85	1,548.19
21,105.05	7,515.00		52,571.97	18,092.48	38,076.23	49,212.62
12,908.14	4,105.77	36,216.37	21,797.19	8,473.52	3,779.17	10,184.70
46.99			4,954.83	517.29	1,000.00	
34,060.18	11,620.77	36,216.37	79,323.99	27,083.29	42,855.40	59,397.32
8,037.39	11,027.10		33,100.36	15,168.32	5,000.00	5,536.66
23,644.76	1,745.77	37,877.84	36,344.78	7,098.79	19,235.10	23,480.77
31,682.15	12,772.87	37,877.84	69,445.14	22,267.11	24,235.10	29,017.43
73,424.74	26,494.01	76,905.77	155,512.14	51,697.46	67,129.35	89,962.94
14.7	11.1	3.7	6.5	7.0	0.1	3.8

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Beamsville	Belle River	Blenheim	Blyth	Bolton
Population.....	1,295	765	1,765	632	591
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		204.20	14,465.35		
Substation equipment.....			909.64		
Distribution system—overhead....	17,081.84	20,230.86	33,363.93	11,858.08	10,523.76
Distribution system—underground.					
Line transformers.....	10,315.28	4,965.89	12,534.66	2,664.45	4,759.38
Meters.....	7,666.59	5,031.31	11,594.98	2,632.48	3,742.75
Street light equipment, regular....	2,784.71	1,383.29	3,859.04	1,554.68	873.89
Street light equipment, ornamental			1,482.97		
Miscellaneous construction expense	314.85	1,043.91	534.69	254.59	1,226.32
Steam or hydraulic plant.....					
Old plant.....					1,554.60
Total plant.....	38,163.27	32,859.46	78,745.26	18,964.28	22,680.70
Bank and cash balance.....	1,933.15	2,973.62	3,171.99		788.52
Securities and investments.....	3,000.00	7,000.00		8,500.00	11,000.00
Accounts Receivable.....	180.77	16.91	245.45	585.41	352.04
Inventories.....			924.16		
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	6,573.30	12,756.22	45,436.40	11,953.18	20,821.09
Other assets.....	27,553.52	215.00	372.50		
Total assets.....	77,404.01	55,821.21	128,895.76	40,002.87	55,642.35
Deficit.....					
Total.....	77,404.01	55,821.21	128,895.76	40,002.87	55,642.35
LIABILITIES					
Debenture balance.....	1,593.44		1,864.95		588.42
Accounts payable.....	258.05	115.32	1,805.83	546.75	63.32
Bank overdraft.....				60.79	
Other liabilities.....	697.70	215.00	1,855.47	180.00	171.89
Total liabilities.....	2,549.19	330.32	5,526.25	787.54	823.63
RESERVES					
For equity in H-E.P.C. systems....	6,573.30	12,756.22	45,436.40	11,953.18	20,821.09
For depreciation.....	7,516.25	12,485.72	25,873.57	7,261.31	9,031.73
Other reserves.....		1,100.00	3,027.55		
Total reserves.....	14,089.55	26,341.94	74,337.52	19,214.49	29,852.82
SURPLUS					
Debentures paid.....	35,906.56	8,500.00	12,135.05	16,032.52	11,911.58
Local sinking fund.....					
Operating surplus.....	24,858.71	20,648.95	36,896.94	3,968.32	13,054.32
Total surplus.....	60,765.27	29,148.95	49,031.99	20,000.84	24,965.90
Total liabilities, reserves and surplus.	77,404.01	55,821.21	128,895.76	40,002.87	55,642.35
Percentage of net debt to total assets	3.6	0.8	4.9	2.8	2.4

"A"—Continued

Hydro Municipalities as at December 31, 1943

Bothwell 605	Brampton 6,146	Brantford 32,778	Brantford Twp. V.A.	Bridgeport P.V.	Brigden P.V.	Brussels 776
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	5,710.93	115,158.48	.....	.....	1,482.03	.....
.....	35,006.39	313,162.56	.....	.....	.....	.....
7,748.94	55,626.26	283,689.78	73,251.55	10,429.49	8,429.66	14,843.75
.....
2,999.58	39,070.15	211,662.94	21,594.99	3,465.60	2,492.17	3,476.45
3,661.11	33,057.34	167,510.31	19,835.95	3,157.57	2,609.54	4,568.46
3,571.49	12,334.99	26,851.48	5,600.11	1,635.60	509.23	1,587.79
1,131.22	.....	37,500.00	.....	.....	.....	.....
589.60	5,521.11	40,402.93	6,323.82	637.05	1,111.55	1,537.56
.....
.....	.....	32,400.00	.....	.....	.....	2,827.50
.....
19,701.94	186,327.17	1,228,338.48	126,606.42	19,325.31	16,634.18	28,841.51
.....
888.39	4,118.85	37,077.08	1,418.67	2,469.46	994.43	1,783.85
15,000.00	31,357.92	103,500.00	1,280.00	4,000.00	5,800.00	11,500.00
28.37	885.74	15,311.53	558.43	790.48	70.53	183.96
3.30	102.95	11,940.53	2,750.76	.....	.....	.....
.....
20,330.82	206,593.47	1,103,192.79	43,070.73	7,839.09	13,963.90	15,720.83
115.96	6.41	81.34	.....	.....	20.00	.....
.....
56,068.78	429,392.51	2,499,441.75	175,685.01	34,424.34	37,483.04	58,030.15
.....
56,068.78	429,392.51	2,499,441.75	175,685.01	34,424.34	37,483.04	58,030.15
.....
665.97	.....	21,250.00	.....	4,268.05	.....	.....
28.22	1,147.46	2,970.07	258.89	14.56	15.17	.....
.....
1,247.17	1,649.00	62,673.82	1,910.51	280.00	20.00	106.28
.....
1,941.36	2,796.46	86,893.89	2,169.40	4,562.61	35.17	106.28
.....
20,330.82	206,593.47	1,103,192.79	43,070.73	7,839.09	13,963.90	15,720.83
9,159.24	80,385.74	507,258.34	33,721.87	7,839.84	6,406.63	10,720.17
15.13	17,700.00	47,702.24	104.82	.....	97.24	.....
.....
29,505.19	304,679.21	1,658,153.37	76,897.42	15,678.93	20,467.77	26,441.00
.....
4,868.22	69,050.64	508,750.00	57,125.66	8,099.98	8,000.00	21,000.00
.....
19,754.01	52,866.20	245,644.49	39,492.53	6,082.82	8,980.10	10,482.87
.....
24,622.23	121,916.84	754,394.49	96,618.19	14,182.80	16,980.10	31,482.87
.....
56,068.78	429,392.51	2,499,441.75	175,685.01	34,424.34	37,483.04	58,030.15
.....
2.3	1.3	3.6	1.6	17.2	0.1	0.3

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Burford	Burgess- ville	Caledonia	Campbell- ville	Cayuga
Population.....	P.V.	P.V.	1,410	P.V.	651
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	202.00		656.01		
Substation equipment.....					
Distribution system—overhead.....	9,609.62	3,843.23	20,047.85	3,022.07	19,470.05
Distribution system—underground.....					
Line transformers.....	4,322.83	1,638.74	7,728.79	1,040.07	5,966.17
Meters.....	4,424.21	1,209.93	8,622.17	850.90	4,134.46
Street light equipment, regular.....	437.14	261.02	2,082.68	335.61	1,357.57
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	722.28	457.22	1,503.38	6.82	516.66
Steam or hydraulic plant.....					
Old plant.....					
Total plant.....	19,718.08	7,410.14	40,640.88	5,255.47	31,444.91
Bank and cash balance.....	387.65	593.62	313.38	177.48	537.08
Securities and investments.....	8,800.00	2,800.00	8,200.00	3,500.00	4,200.00
Accounts Receivable.....	160.62		246.23	410.39	78.79
Inventories.....			1,108.53		334.70
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	16,532.70	6,316.84	27,519.48	3,207.75	11,895.55
Other assets.....			39.16		1.42
Total assets.....	45,599.05	17,120.60	78,067.66	12,551.09	48,492.45
Deficit.....					
Total.....	45,599.05	17,120.60	78,067.66	12,551.09	48,492.45
LIABILITIES					
Debenture balance.....					1,586.34
Accounts payable.....	75.92	0.35	156.79	18.67	462.91
Bank overdraft.....					
Other liabilities.....	120.20	20.00	298.50		170.00
Total liabilities.....	196.12	20.35	455.29	18.67	2,219.25
RESERVES					
For equity in H-E.P.C. systems.....	16,532.70	6,316.84	27,519.48	3,207.75	11,895.55
For depreciation.....	7,100.81	4,225.19	6,022.68	1,745.71	9,282.16
Other reserves.....					16.25
Total reserves.....	23,633.51	10,542.03	33,542.16	4,953.46	21,193.96
SURPLUS					
Debentures paid.....	9,000.00	3,500.00	4,624.00	5,447.77	18,413.66
Local sinking fund.....					
Operating surplus.....	12,769.42	3,058.22	39,446.21	2,131.19	6,665.58
Total surplus.....	21,769.42	6,558.22	44,070.21	7,578.96	25,079.24
Total liabilities, reserves and surplus.....	45,599.05	17,120.60	78,067.66	12,551.09	48,492.45
Percentage of net debt to total assets.....	0.7	0.2	0.9	0.2	6.1

"A"—Continued

Hydro Municipalities as at December 31, 1943

Chatham	Chippawa	Clifford	Clinton	Comber	Cottam	Courtright
17,241	1,294	456	2,037	P.V.	P.V.	313
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
105,811.63	1,434.46		10,227.74	62.00	475.63	
154,326.67			17,473.46			
149,145.75	16,153.30	8,309.56	26,506.79	8,018.82	10,603.92	6,633.83
86,297.88						
108,577.94	9,521.89	1,810.86	11,606.20	5,080.42	2,274.24	1,225.40
82,974.59	6,331.08	2,656.47	11,592.92	3,023.47	2,324.78	1,077.16
20,047.03	3,141.60	1,014.93	5,705.10	423.35	366.43	425.08
35,426.10						
28,720.77	1,439.35	37.44	4,628.78	1,070.49	449.76	600.26
42,752.31						
814,080.67	38,021.68	13,829.26	87,740.99	17,678.55	16,494.76	9,961.73
9,663.83	1,856.16	332.86	4,998.01	437.53	161.10	926.24
128,000.00	6,500.00	4,600.00	14,500.00	7,500.00	6,871.44	6,000.00
22,632.97	178.60	10.70	765.38	126.63	19.79	102.05
10,366.14	116.38		3,776.51			
479,154.83	20,571.83	8,766.25	56,045.42	21,751.30	5,469.44	6,835.94
20,794.34	0.76			70.00	180.60	5.00
1,484,692.78	67,245.41	27,539.07	167,826.31	47,564.01	29,197.13	23,830.96
1,484,692.78	67,245.41	27,539.07	167,826.31	47,564.01	29,197.13	23,830.96
89,099.51		4,454.50			2,031.88	
15,669.00		495.59	209.50	78.83	153.90	13.65
43,731.44	916.00	5.00	734.45	70.00	180.60	5.00
148,499.95	916.00	4,955.09	943.95	148.83	2,366.38	18.65
479,154.83	20,571.83	8,766.25	56,045.42	21,751.30	5,469.44	6,835.94
226,310.71	6,903.21	4,390.92	31,591.50	8,458.65	6,071.49	3,231.40
68,116.12			7,463.96		37.95	31.97
773,581.66	27,475.04	13,157.17	95,100.88	30,209.95	11,578.88	10,099.31
280,900.49	13,350.00	3,545.50	44,500.00	7,700.00	6,968.34	8,138.35
281,710.68	25,504.37	5,881.31	27,281.48	9,505.23	8,283.53	5,574.65
562,611.17	38,854.37	9,426.81	71,781.48	17,205.23	15,251.87	13,713.00
1,484,692.78	67,245.41	27,539.07	167,826.31	47,564.01	29,197.13	23,830.96
11.7	1.9	26.4	0.8	0.6	10.0	0.1

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Dashwood	Delaware	Delhi	Dorchester	Drayton
Population.....	P.V.	P.V.	2,093	P.V. ¹	523
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			2,185.24		
Substation equipment.....					
Distribution system—overhead.....	3,889.14	5,324.64	29,260.71	9,461.36	10,137.31
Distribution system—underground.....					
Line transformers.....	2,400.81	1,819.08	16,359.00	3,237.06	4,425.18
Meters.....	1,920.89	1,420.22	12,687.01	2,967.27	3,662.59
Street light equipment, regular.....	364.52	205.24	3,874.48	907.18	772.21
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	291.87	203.81	3,536.77	328.41	453.38
Steam or hydraulic plant.....					
Old plant.....			28,518.74		
Total plant.....	8,867.23	8,972.99	96,421.95	16,901.28	19,450.67
Bank and cash balance.....	890.75	348.83	4,086.08	1,256.95	762.28
Securities and investments.....	5,500.00	2,350.00	17,000.00	5,500.00	7,000.00
Accounts Receivable.....	2.40		151.76	13.34	121.88
Inventories.....			2,906.55	87.37	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	10,094.57	4,066.68	7,569.51	9,164.51	15,158.18
Other assets.....					
Total assets.....	25,354.95	15,738.50	128,135.85	32,923.45	42,493.01
Deficit.....					
Total.....	25,354.95	15,738.50	128,135.85	32,923.45	42,493.01
LIABILITIES					
Debenture balance.....	631.18	248.30	71,700.87	518.11	2,396.49
Accounts payable.....	41.79	406.90	99.48		771.68
Bank overdraft.....					
Other liabilities.....		10.00	1,531.15	37.00	
Total liabilities.....	672.97	665.20	73,331.50	555.11	3,168.17
RESERVES					
For equity in H-E.P.C. systems.....	10,094.57	4,066.68	7,569.51	9,164.51	15,158.18
For depreciation.....	4,138.74	1,058.63	11,268.96	5,281.78	10,587.96
Other reserves.....		30.00	4,067.42	1,037.56	
Total reserves.....	14,233.31	5,155.31	22,905.91	15,483.85	25,746.14
SURPLUS					
Debentures paid.....	2,768.82	3,751.70	13,299.13	3,781.89	7,103.51
Local sinking fund.....					
Operating surplus.....	7,679.85	6,166.29	18,599.31	13,102.60	6,475.19
Total surplus.....	10,448.67	9,917.99	31,898.44	16,884.49	13,578.70
Total liabilities, reserves and surplus.....	25,354.95	15,738.50	128,135.85	32,923.45	42,493.01
Percentage of net debt to total assets.....	4.4	5.7	60.8	2.3	11.6

“A”—Continued

Hydro Municipalities as at December 31, 1943

Dresden 1,519	Drumbo P.V.	Dublin P.V.	Dundas 5,257	Dunnville 4,137	Dutton 776	East York Twp.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
405.30			19,180.32	3,495.43	75.11	26,685.38
523.00			24,208.04	39,710.85		8,893.55
20,497.41	4,737.26	5,893.54	54,833.19	41,823.92	10,158.81	381,386.70
8,719.84	1,801.50	1,354.25	27,402.73	24,006.00	4,348.03	111,467.21
8,005.56	2,156.10	1,168.53	27,507.10	21,688.39	3,685.54	177,911.20
1,729.55	284.27	544.86	11,535.93	9,756.04	754.38	32,286.04
			1,154.52			
1,670.64	235.58	787.06	4,891.78	7,382.55	288.17	23,871.94
			1,867.38	10,717.62		
41,551.30	9,214.71	9,748.24	172,580.99	158,580.80	19,310.04	762,502.02
86.01	2,552.28	1,365.29	1,970.25	1,124.86	238.27	17,137.64
7,642.00	5,000.00	2,000.00	24,000.00	47,000.00	9,500.00	25,000.00
2,434.51	87.51	55.99	388.00	1,362.74	17.00	28,283.40
2,185.58			273.43	1,467.11	113.00	8,391.06
38,302.82	7,995.57	6,705.82	168,502.03	75,501.99	23,604.89	343,869.61
371.92			96.40			1,631.43
92,574.14	24,850.07	19,875.34	367,811.10	285,037.50	52,783.20	1,186,815.16
92,574.14	24,850.07	19,875.34	367,811.10	285,037.50	52,783.20	1,186,815.16
	278.77			15,521.94		72,877.44
140.17	40.93	81.02	215.95	181.16		27,890.74
358.00		11.00	9,543.81	2,126.42	217.36	14,746.64
498.17	319.70	92.02	9,759.76	17,829.52	217.36	115,514.82
38,302.82	7,995.57	6,705.82	168,502.03	75,501.99	23,604.89	343,869.61
5,660.41	6,318.06	6,235.15	81,371.74	50,526.41	11,368.76	145,460.10
4,011.46			398.54	13,000.00	33.23	3,048.88
47,974.69	14,313.63	12,940.97	250,272.31	139,028.40	35,006.88	492,378.59
11,423.24	4,221.23	6,200.00	53,000.00	59,978.06	8,407.49	284,190.34
32,678.04	5,995.51	642.35	54,779.03	68,201.52	9,151.47	294,731.41
44,101.28	10,216.74	6,842.35	107,779.03	128,179.58	17,558.96	578,921.75
92,574.14	24,850.07	19,875.34	367,811.10	285,037.50	52,783.20	1,186,815.16
0.9	1.6	0.7	4.3	8.5	0.7	13.7

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM NIAGARA DIVISION—Continued

Municipality.....	Elmira	Elora	Embro	Erieau	Erie Beach
Population.....	2,176	1,167	385	*234	†
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	7,458.03	1,524.54			
Substation equipment.....					
Distribution system—overhead.....	37,902.60	18,516.53	10,720.28	11,505.57	2,598.33
Distribution system—underground.....	540.21				
Line transformers.....	23,874.21	8,373.29	5,098.62	2,495.04	925.32
Meters.....	15,499.59	7,006.05	2,518.06	3,262.71	900.39
Street light equipment, regular.....	2,288.27	1,298.49	535.73	435.74	
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	928.63	944.01	69.45	379.90	375.03
Steam or hydraulic plant.....					
Old plant.....	2,168.08		429.25		
Total plant.....	90,659.62	37,662.91	19,371.39	18,078.96	4,799.07
Bank and cash balance.....	6,336.23	605.56	270.29	1,216.98	447.76
Securities and investments.....	19,500.00	15,000.00	3,000.00		1,500.00
Accounts Receivable.....	53.12	27.95	56.45	69.29	133.36
Inventories.....		233.98			
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	90,993.72	43,921.07	13,330.65	8,087.84	1,987.45
Other assets.....		325.59		25.00	
Total assets.....	207,542.69	97,777.06	36,028.78	27,478.07	8,867.64
Deficit.....					
Total.....	207,542.69	97,777.06	36,028.78	27,478.07	8,867.64
LIABILITIES					
Debenture balance.....	4,133.21				769.43
Accounts payable.....		182.58	71.71	187.08	127.98
Bank overdraft.....					
Other liabilities.....	789.65	311.25	45.00	25.00	
Total liabilities.....	4,922.86	493.83	116.71	212.08	897.41
RESERVES					
For equity in H-E.P.C. systems.....	90,993.72	43,921.07	13,330.65	8,087.84	1,987.45
For depreciation.....	35,025.70	20,517.40	7,638.94	6,008.44	901.41
Other reserves.....	5,000.00		9.58	27.36	
Total reserves.....	131,019.42	64,438.47	20,979.17	14,123.64	2,888.86
SURPLUS					
Debentures paid.....	33,035.29	13,000.00	7,500.00	6,883.13	2,530.57
Local sinking fund.....					
Operating surplus.....	38,565.12	19,844.76	7,432.90	6,259.22	2,550.80
Total surplus.....	71,600.41	32,844.76	14,932.90	13,142.35	5,081.37
Total liabilities, reserves and surplus.....	207,542.69	97,777.06	36,028.78	27,478.07	8,867.64
Percentage of net debt to total assets.....	4.2	0.9	0.5	1.1	13.0

*Summer population 984

†Summer population 322

“A”—Continued

Hydro Municipalities as at December 31, 1943

Essex 1,959	Etobicoke Twp. V.A.	Exeter 1,627	Fergus 2,883	Fonthill 957	Forest 1,565	Forest Hill 12,779
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	37,100.99	11,272.61	.....	.....	6,528.31	39,501.92
.....	2,683.09	.....	.....	.....	.....	80,767.90
40,518.87	341,258.38	32,833.76	35,447.34	12,762.84	23,484.66	194,824.83
442.55	.....	.....	.....	.....	.....	2,169.95
18,361.45	112,364.41	13,940.95	22,653.06	6,149.37	12,810.13	112,053.67
13,577.67	93,236.31	9,991.22	15,232.99	5,715.75	11,708.77	65,716.79
1,655.38	16,035.85	4,902.87	6,126.75	1,801.02	2,663.94	9,478.34
7,205.06	2,689.44	.....	.....	.....	.....	16,795.63
1,204.11	25,006.91	2,083.18	896.80	238.40	932.21	16,080.25
.....	.....	.....	2,546.59	3,500.00	11,042.87	.....
82,965.09	630,425.38	75,024.59	82,903.53	30,167.38	69,170.89	537,389.28
2,479.26	5,790.92	537.05	2,487.29	3,039.22	1,736.35	21,441.38
30,000.00	.....	15,000.00	25,000.00	1,500.00	22,510.00	72,000.00
1,001.15	24,189.94	4,034.00	136.48	75.39	3,308.28	6,050.85
.....	9,979.40	1,911.68	139.25	.....	2,031.06	7,157.65
38,398.74	278,495.14	50,602.26	77,361.52	8,000.06	40,695.29	223,214.60
612.67	.....	.....	165.00	.....	.....	.....
155,456.91	948,880.78	147,159.58	188,193.07	42,782.05	139,451.87	867,253.76
.....
155,456.91	948,880.78	147,159.58	188,193.07	42,782.05	139,451.87	867,253.76
12,528.24	52,214.25	.....	4,457.93	4,515.22	.....	255,849.82
204.37	26,664.27	678.78	360.98	771.87	.....	3,846.52
7,817.73	11,101.00	595.00	539.25	339.30	216.96	29,844.34
20,550.34	89,979.52	1,273.78	5,358.16	5,626.39	216.96	289,540.68
38,398.74	278,495.14	50,602.26	77,361.52	8,000.06	40,695.29	223,214.60
29,538.96	152,000.64	22,702.27	19,142.17	5,121.24	24,933.16	131,624.07
3,040.55	31,714.51	4,534.06	9,422.63	.....	3,087.59	750.00
70,978.25	462,210.29	77,838.59	105,926.32	13,121.30	68,716.04	355,588.67
9,971.76	213,481.15	20,000.05	37,542.07	17,984.78	34,400.00	106,931.78
53,956.56	183,209.82	48,047.16	39,366.52	6,049.58	36,118.87	115,192.63
63,928.32	396,690.97	68,047.21	76,908.59	24,034.36	70,518.87	222,124.41
155,456.91	948,880.78	147,159.58	188,193.07	42,782.05	139,451.87	867,253.76
12.1	13.1	1.3	4.8	16.2	0.2	43.5

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Galt	George- town	Glencoe	Goderich	Granton
Population.....	15,025	2,498	793	4,922	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	202,082.05	4,996.82	3,457.66	15,588.63	
Substation equipment.....	160,079.80			34,532.50	
Distribution system—overhead...	287,263.08	37,958.72	23,223.71	73,718.35	4,489.45
Distribution system—underground.	4,653.65				
Line transformers.....	137,472.29	26,867.29	7,511.85	24,626.16	1,515.11
Meters.....	87,240.03	17,537.79	4,822.79	23,871.48	1,654.60
Street light equipment, regular...	72,316.04	4,598.54	2,106.42	9,159.76	180.78
Street light equipment, ornamental					
Miscellaneous construct'n expense	29,335.43	2,267.81	1,178.11	5,862.36	113.08
Steam or hydraulic plant.....					
Old plant.....		2,209.80		14,622.15	
Total plant.....	980,442.37	96,436.77	42,300.54	201,981.39	7,953.02
Bank and cash balance.....	9,921.33		639.31	5,919.32	1,448.67
Securities and investments.....	62,000.00	21,111.54	13,600.00	51,000.00	4,200.00
Accounts Receivable.....	36,652.20	883.25	551.95	5,231.77	40.34
Inventories.....	25,948.82		285.10	1,151.01	
Sinking fund on local debentures					
Equity in H-E.P.C.....	658,726.88	125,656.86	24,474.92	147,500.83	9,518.30
Other assets.....	358.05			0.76	
Total assets.....	1,774,049.65	244,088.42	81,851.82	412,785.08	23,160.33
Deficit.....					
Total.....	1,774,049.65	244,088.42	81,851.82	412,785.08	23,160.33
LIABILITIES					
Debenture balance.....				20,422.51	466.81
Accounts payable.....	25,770.99	251.77	110.96	666.76	372.16
Bank overdraft.....		9.33			
Other liabilities.....	4,176.28	1,725.16	261.59	3,579.62	15.00
Total liabilities.....	29,947.27	1,986.26	372.55	24,668.89	853.97
RESERVES					
For equity in H-E.P.C. systems...	658,726.88	125,656.86	24,474.92	147,500.83	9,518.30
For depreciation.....	406,211.44	27,169.01	16,341.64	109,264.52	4,161.45
Other reserves.....	40,965.85		1,355.34	819.63	60.00
Total reserves.....	1,105,904.17	152,825.87	42,171.90	257,584.98	13,739.75
SURPLUS					
Debentures paid.....	518,001.95	20,000.00	20,112.88	75,665.54	3,033.19
Local sinking fund.....					
Operating surplus.....	120,196.26	69,276.29	19,194.49	54,865.67	5,533.42
Total surplus.....	638,198.21	89,276.29	39,307.37	130,531.21	8,566.61
Total liabilities, reserves and surplus	1,774,049.65	244,088.42	81,851.82	412,785.08	23,160.33
Percentage of net debt to total assets	2.7	1.7	0.6	9.3	6.3

“A”—Continued

Hydro Municipalities as at December 31, 1943

Grimsby	Guelph	Hagersville	Hamilton	Harriston	Harrow	Hensall
1,998	23,195	1,524	167,505	1,287	1,136	659
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	14,720.38	.....	972,447.29	395.25	2,318.16	.....
.....	165,479.53	864.37	2,211,181.61	600.00	.....	.....
39,031.77	253,196.02	21,624.39	1,343,130.79	23,001.18	20,478.68	12,645.26
.....	28,201.72	.....	812,459.75	.....	.....	.....
23,625.00	119,832.24	12,030.60	982,511.31	8,463.85	11,031.57	6,811.35
18,279.32	118,124.53	10,321.76	851,628.78	9,750.34	8,188.77	4,129.64
2,532.00	45,064.55	1,135.27	289,501.99	1,332.00	943.46	612.83
1,925.00	.....	.....	.....	.....	.....	.....
2,073.60	12,815.14	1,061.85	79,758.52	821.34	418.19	595.89
.....	.....	.....	.....	1,001.43	.....	400.00
87,466.69	757,434.11	47,021.24	7,542,620.04	45,365.39	43,378.83	25,194.97
4,300.86	7,483.52	3,718.72	215,149.48	173.87	2,650.78	1,340.13
.....	55,000.00	30,000.00	400,000.00	10,000.00	4,200.00	12,000.00
74.47	5,692.16	128.21	348,905.75	332.98	139.79	102.84
87.89	21,483.51	20.02	191,596.92	288.30	108.28	.....
.....	.....	.....	44,489.05	.....	.....	.....
1,718.00	794,354.30	90,703.23	5,980,249.19	40,441.92	31,183.94	19,920.26
.....	512.80	6.82	87,997.69	.....	285.71	.....
93,647.91	1,641,960.40	171,598.24	14,811,008.12	96,602.46	81,947.33	58,558.20
1,648.10	.....	.....	.....	.....	.....	.....
95,296.01	1,641,960.40	171,598.24	14,811,008.12	96,602.46	81,947.33	58,558.20
56,702.50	.....	.....	737,000.00	2,605.57	.....	1,856.15
496.24	24,446.82	.....	381,476.00	1,421.63	666.90	688.05
.....
3,634.27	2,569.84	571.99	*137,694.08	110.82	285.71	75.00
60,833.01	27,016.66	571.99	1,256,170.08	4,138.02	952.61	2,619.20
1,718.00	794,354.30	90,703.23	5,980,249.19	40,441.92	31,183.94	19,920.26
4,103.50	196,805.01	18,035.70	1,685,520.44	15,433.31	11,623.53	11,962.77
.....	941.42	3,500.00	1,136,421.22	.....	136.30	.....
5,821.50	992,100.73	112,238.93	8,802,190.85	55,875.23	42,943.77	31,883.03
28,641.50	145,000.00	8,000.00	3,323,275.19	23,212.46	12,000.00	10,143.85
.....	.....	.....	44,489.05	.....	.....	.....
.....	477,843.01	50,787.32	1,384,882.95	13,376.75	26,050.95	13,912.12
28,641.50	622,843.01	58,787.32	4,752,647.19	36,589.21	38,050.95	24,055.97
95,296.01	1,641,960.40	171,598.24	14,811,008.12	96,602.46	81,947.33	58,558.20
65.4	3.2	0.7	13.8	7.4	1.9	6.8

* \$100,000.00 balance re purchase agreement.

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Hespeler	Highgate	Humberstone 3,220	Ingersoll	Jarvis
Population.....	3,023	310		5,810	539
ASSETS.....	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	4,684.43			16,296.49	
Substation equipment.....	36,462.26			51,488.29	
Distribution system—overhead.....	32,260.24	8,348.47	24,547.91	59,343.26	10,080.96
Distribution system—underground					
Line transformers.....	29,343.41	2,109.25	14,553.14	42,689.05	3,422.06
Meters.....	14,666.98	2,001.63	11,409.11	31,139.29	3,183.75
Street light equipment, regular.....	8,160.72	453.91	963.79	4,988.75	931.82
Street light equipment, ornamental				4,597.59	
Miscellaneous construction expense	223.29	491.60	3,311.30	8,701.69	598.27
Steam or hydraulic plant.....					
Old plant.....	2,513.48				
Total plant.....	128,314.81	13,404.86	54,785.25	219,244.41	18,216.86
Bank and cash balance.....	5,132.44		1,666.56	3,842.14	987.20
Securities and investments.....	20,000.00	5,000.00	22,500.00	10,540.08	12,000.00
Accounts receivable.....	118.76	.08	138.00	437.10	70.12
Inventories.....	532.99			1,220.47	
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	141,626.22	11,398.79	26,119.46	220,696.65	18,208.89
Other assets.....	366.66		1,881.90	328.24	
Total assets.....	296,091.88	29,803.73	107,091.17	456,309.09	49,843.07
Deficit.....					
Total.....	296,091.88	29,803.73	107,091.17	456,309.09	49,483.07
LIABILITIES					
Debenture balance.....	12,004.42		2,000.00		
Accounts payable.....	1,222.12			14,940.04	
Bank overdraft.....		199.06			
Other liabilities.....	396.23	70.00	1,881.90	7,510.59	
Total liabilities.....	13,622.77	269.06	3,881.90	22,450.63	
RESERVES					
For equity in H-E.P.C. systems.....	141,626.22	11,398.79	26,119.46	220,696.65	18,208.89
For depreciation.....	28,184.21	6,829.67	8,834.69	30,097.14	7,023.84
Other reserves.....	154.46		4,000.00	4,468.86	
Total reserves.....	169,964.89	18,228.46	38,954.15	255,262.65	25,232.73
SURPLUS					
Debentures paid.....	65,566.09	5,000.00	30,000.00	79,800.00	10,500.00
Local sinking fund.....					
Operating surplus.....	46,938.13	6,306.21	34,255.12	98,795.81	13,750.34
Total surplus.....	112,504.22	11,306.21	64,255.12	178,595.81	24,250.34
Total liabilities, reserves and surplus.....	296,091.88	29,803.73	107,091.17	456,309.09	49,483.07
Percentage of net debt to total assets	8.8	1.5	4.8	7.2	0.0

"A"—Continued

Hydro Municipalities as at December 31, 1943

Kingsville	Kitchener	Lambeth	La Salle	Leamington	Listowel	London
*2,290	35,745	P.V.	1,020	†5,619	2,993	77,438
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,592.27	248,913.91		1,210.68	18,580.07	1,459.49	456,322.43
	414,110.16			7,101.97		1,012,476.10
35,276.86	411,100.93	9,158.90	22,507.36	64,621.09	48,658.50	826,053.63
	41,680.19			17,209.04	5,522.87	406,183.94
16,814.68	261,244.51	2,424.87	6,775.22	27,547.87	23,928.93	426,156.70
16,622.71	255,339.59	2,818.27	5,488.34	30,307.99	18,669.79	407,100.23
1,470.29	77,495.27	1,053.80	1,054.22	1,574.66	3,167.52	73,080.71
19,200.00	126,922.86			15,178.49	1,539.79	92,286.12
265.42	15,916.69	315.71	1,685.60	1,755.84	2,071.80	153,969.56
	52,363.91				4,745.30	
98,242.23	1,905,088.02	15,771.55	38,721.42	183,877.02	109,763.99	3,853,629.42
1,612.24	34,608.25	680.17		1,787.43	2,180.91	134,259.15
30,000.00	75,000.00	3,500.00	4,000.00	57,000.00	22,000.00	665,000.00
263.16	87,256.32	55.15	996.85	288.05	404.67	148,404.24
138.28	37,846.35		12.96		221.04	65,196.20
49,619.69	1,574,135.39	11,666.95	17,034.38	107,581.10	94,128.55	2,918,917.07
2,996.45	715.59			3,478.66	9.68	4,409.62
182,872.05	3,714,649.92	31,673.82	60,765.61	354,012.26	228,708.84	8,112,121.81
182,872.05	3,714,649.92	31,673.82	60,765.61	354,012.26	228,708.84	8,112,121.81
19,194.63	174,869.83					237,088.82
1.26	65,285.40	112.68	113.92	544.42	35.03	135,201.25
22,196.45	128,971.66	195.00	1,050.40	18,486.65	2,004.16	100,417.40
41,392.34	369,126.89	307.68	1,395.46	19,031.07	2,039.19	472,707.47
49,619.69	1,574,135.39	11,666.95	17,034.38	107,581.10	94,128.55	2,918,917.07
34,570.96	502,328.26	6,971.30	14,850.94	51,597.10	55,340.29	1,659,776.23
2,388.66	7,161.11	742.08	207.00	11,326.87	2,500.00	287,427.33
86,579.31	2,083,624.76	19,380.33	32,092.32	170,505.07	151,968.84	4,866,120.63
14,305.37	562,280.17	4,000.00	15,500.00	48,000.00	43,189.89	1,344,811.18
40,595.03	699,618.10	7,985.81	11,777.83	116,476.12	31,510.92	322,306.11
54,900.40	1,261,898.27	11,985.81	27,277.83	164,476.12	74,700.81	1,106,176.42
182,872.05	3,714,649.92	31,673.82	60,765.61	354,012.26	228,708.84	2,773,293.71
19.5	12.0	1.5	3.2	1.7	0.4	8,112,121.81
						1.2

*Summer population, 2,415.

†Summer population, 6,119

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality	London Twp. V.A.	Long Branch 5,320	Lucan 607	Lynden P.V.	Markham 1,162
Population					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings			375.45	241.18	
Substation equipment					
Distribution system—overhead	23,943.19	61,741.15	11,799.78	4,869.69	19,310.38
Distribution system—underground					
Line transformers	8,906.12	19,231.43	4,626.28	3,136.23	10,284.45
Meters	6,598.26	23,360.71	4,155.68	2,315.84	8,039.45
Street light equipment, regular	1,819.11	5,861.69	4,549.30	354.06	833.91
Street light equipment, ornamental					
Miscellaneous construction expense	2,057.89	1,902.54	669.50	223.57	1,304.53
Steam or hydraulic plant					
Old plant	1,733.80		2,860.45		
Total plant	45,058.37	112,097.52	29,036.44	11,140.57	39,772.72
Bank and cash balance	3,955.45	1,259.58	804.09	922.02	1,524.03
Securities and investments		10,000.00	8,500.00	3,000.00	14,000.00
Accounts receivable	485.68	18,379.31	2.57	56.83	102.93
Inventories					
Sinking fund on local debentures					
Equity in H-E.P.C. systems	25,645.97	34,238.81	21,615.94	15,284.41	23,392.77
Other assets					
Total assets	75,145.47	175,975.22	59,959.04	30,403.83	78,792.45
Deficit					
Total	75,145.47	175,975.22	59,959.04	30,403.83	78,792.45
LIABILITIES					
Debenture balance	1,564.85	4,278.45	907.10	571.36	
Accounts payable	3,653.29	3,405.89	74.01	36.04	
Bank overdraft					
Other liabilities	608.20	2,759.58	207.08	18.00	231.00
Total liabilities	5,826.34	10,443.92	1,188.19	625.40	231.00
RESERVES					
For equity in H-E.P.C. systems	25,645.97	34,238.81	21,615.94	15,284.41	23,392.77
For depreciation	13,079.42	27,151.24	9,985.38	4,510.43	9,743.37
Other reserves	3.82	10,313.72			3,031.45
Total reserves	38,729.21	71,703.77	31,601.32	19,794.84	36,167.59
SURPLUS					
Debentures paid	17,435.15	36,026.15	10,306.52	3,923.64	11,373.63
Local sinking fund					
Operating surplus	13,154.77	57,801.38	16,863.01	6,059.95	31,020.23
Total surplus	30,589.92	93,827.53	27,169.53	9,983.59	42,393.86
Total liabilities, reserves and surplus	75,145.47	175,975.22	59,959.04	30,403.83	78,792.45
Percentage of net debt to total assets	11.8	7.4	3.1	4.1	0.4

"A"—Continued

Hydro Municipalities as at December 31, 1943

Merlin P.V.	Merritton 3,189	Milton 1,953	Milverton 982	Mimico 7,641	Mitchell 1,588	Moorefield P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	6,764.41	13,859.21	761.88	20,455.40	19,014.86	.....
.....	96,695.94	16,418.16	.....	43,269.83	16,526.28	.....
9,274.33	42,828.47	23,820.99	12,806.54	83,980.30	33,582.62	3,180.68
4,065.36	14,400.26	16,810.72	9,024.65	43,480.49	15,324.27	762.75
2,634.09	17,936.32	16,021.95	5,565.26	35,753.62	13,642.85	1,415.30
570.46	5,045.02	5,416.92	848.75	10,167.55	7,173.70	295.88
475.28	2,811.49	3,273.17	610.49	11,391.22	2,610.10	353.10
.....
17,019.52	186,481.91	95,621.12	29,617.57	248,498.41	107,874.68	6,007.71
813.15	8,746.61	1,240.24	1,010.72	9,904.87	2,212.60	986.54
12,700.00	45,000.00	25,000.00	8,000.00	22,000.00	19,250.00	3,500.00
362.38	233.61	567.86	184.06	1,447.34	2,855.78	61.07
.....	1,296.94	3,416.00	.....	.....	4,419.03	.....
13,638.46	204,454.09	118,584.74	49,404.28	168,561.83	52,915.81	7,232.14
85.00	170.91	28.00	2.36	4.45	2.03	.....
44,618.51	446,384.07	244,457.96	88,218.99	450,416.90	189,529.93	17,787.46
.....
44,618.51	446,384.07	244,457.96	88,218.99	450,416.90	189,529.93	17,787.46
.....
337.32	1,133.18	.....	.....	.....	.....	.....
.....	119.28	90.55	171.45	.....	314.82	23.23
85.00	.....	665.08	.....	5,905.00	335.00	6.00
422.32	1,252.46	755.63	171.45	5,905.00	649.82	29.23
13,638.46	204,454.09	118,584.74	49,404.28	168,561.83	52,915.81	7,232.14
5,815.31	35,461.79	30,461.15	9,627.50	89,294.40	47,975.98	3,593.73
23.40	27,000.00	7,197.89	.....	11,424.78	1,259.40	.....
19,477.17	266,915.88	156,243.78	59,031.78	269,281.01	102,151.19	10,825.87
13,122.36	31,053.03	33,046.41	9,500.00	127,000.00	22,295.22	4,500.00
11,596.66	147,162.70	54,412.14	19,515.76	48,230.89	64,433.70	2,432.36
24,719.02	178,215.73	87,458.55	29,015.76	175,230.89	86,728.92	6,932.36
44,618.51	446,384.07	244,457.96	88,218.99	450,416.90	189,529.93	17,787.46
1.4	0.5	0.6	0.4	2.1	0.5	0.3

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Mount Brydges P.V.	Newbury 241	New Hamburg 1,395	New Toronto 7,855	Niagara Falls 20,118
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			2,517.19	45,514.80	133,157.32
Substation equipment.....			1,217.05		283,624.19
Distribution system—overhead.....	7,697.47	6,945.58	24,951.85	99,984.06	208,141.93
Distribution system—underground.....				17,198.72	
Line transformers.....	1,845.43	1,571.26	9,871.11	47,863.42	189,182.99
Meters.....	2,788.12	1,401.77	10,547.00	41,873.31	124,747.97
Street lighting equipment, regular.....	1,385.36	881.47	2,274.20	14,721.65	118,518.06
Street lighting equipment, ornamental.....					
Miscellaneous construction expense.....	105.90	544.53	283.85	7,149.94	28,212.07
Steam or hydraulic plant.....					
Old plant.....			5,242.56		
Total plant.....	13,822.28	11,344.61	56,904.81	274,305.90	1,085,584.53
Bank and cash balance.....	2,316.22	810.02	2,865.82	17,231.00	40,423.74
Securities and investments.....	12,000.00	5,500.00	14,100.00	84,000.00	175,000.00
Accounts receivable.....	186.12	11.83	328.46	922.98	1,697.10
Inventories.....			722.00	4,621.87	11,041.01
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	9,096.89	5,213.72	57,807.69	550,517.55	66,703.32
Other assets.....					884.61
Total assets.....	37,421.51	22,880.18	132,728.78	931,599.30	1,981,334.31
Deficit.....					
Total.....	37,421.51	22,880.18	132,728.78	931,599.30	1,981,334.31
LIABILITIES					
Debenture balance.....	275.23				63,777.06
Accounts payable.....	315.15		0.17	170.54	1,662.70
Bank overdraft.....					
Other liabilities.....	181.77	35.00	185.00	6,789.53	18,026.99
Total liabilities.....	772.15	35.00	185.17	6,960.07	83,466.75
RESERVES					
For equity in H-E.P.C. systems.....	9,096.89	5,213.72	57,807.69	550,517.55	666,703.32
For depreciation.....	5,758.30	5,590.16	21,146.48	87,499.37	347,456.43
Other reserves.....	97.38		3,133.83	24,898.14	14,856.46
Total reserves.....	14,952.57	10,803.88	82,088.00	662,915.06	1,029,016.21
SURPLUS					
Debentures paid.....	3,944.77	9,754.39	17,729.08	8,000.00	626,465.94
Local sinking fund.....					
Operating surplus.....	17,752.02	2,286.91	32,726.53	253,724.17	242,385.41
Total surplus.....	21,696.79	12,041.30	50,455.61	261,724.17	868,851.35
Total liabilities, reserves and surplus.....	37,421.51	22,880.18	132,728.78	931,599.30	1,981,334.31
Percentage of net debt to total assets.....	2.7	0.2	0.2	1.8	6.3

"A"—Continued

Hydro Municipalities as at December 31, 1943

Niagara-on-the-Lake 1,884	North York Twp.	Norwich 1,184	Oil Springs 445	Otterville P.V.	Palmerston 1,342	Paris 4,608
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,320.00	29,695.77	4,660.42	6,299.16			8,849.55
23,903.79			2,160.58		1,346.28	49,807.14
37,612.82	485,820.12	11,926.99	14,983.79	8,826.38	33,371.31	56,793.88
21,813.73	151,755.40	7,283.58	6,434.69	4,897.88	11,406.81	27,792.25
13,626.90	108,061.54	8,302.95	4,098.88	3,175.97	8,777.21	22,289.29
4,526.70	156.00	4,685.64	308.24	1,684.17	6,818.19	14,084.12
	21,090.84					
2,862.77	28,512.32	413.23	1,565.38	527.91	1,229.10	1,991.03
					4,018.71	
106,666.71	825,091.99	37,272.81	35,850.72	19,112.31	66,967.61	181,607.26
53.56	63,794.57	5,546.74	1,251.06	209.85	1,612.24	1,753.13
	25,000.00	10,000.00	4,000.00	5,000.00	6,000.00	32,500.00
1,880.65	6,438.40	1,309.79	60.30	831.63	890.97	430.49
5,323.89	18,714.19	1,539.28	149.54		2,234.96	
37,840.88	201,451.92	42,810.91	28,667.71	10,494.95	51,005.98	132,712.67
0.72		48.15	27.14		283.48	244.03
151,766.41	1,140,491.07	98,527.68	70,006.47	35,648.74	128,995.24	349,247.58
151,766.41	1,140,491.07	98,527.68	70,006.47	35,648.74	128,995.24	349,247.58
8,360.38	193,410.68					
7,826.69	2,514.02	199.09	137.51	465.11	704.67	204.57
409.30	32,976.88	278.84	27.12	121.38	283.48	
16,596.37	228,901.58	477.93	164.63	586.49	988.15	204.57
37,840.88	201,451.92	42,810.91	28,667.71	10,494.95	51,005.98	132,712.67
22,896.17	180,295.46	11,566.55	12,514.71	7,722.84	15,344.90	92,578.10
824.86	1,804.54	545.97	90.03		401.89	35.12
61,561.91	383,551.92	54,923.43	41,272.45	18,217.79	66,752.77	225,325.89
28,141.04	334,611.19	13,756.00	16,721.31	4,500.00	27,000.00	92,000.00
45,467.09	193,426.38	29,370.32	11,848.08	12,344.46	34,254.32	31,717.12
73,608.13	528,037.57	43,126.32	28,569.39	16,844.46	61,254.32	123,717.12
151,766.41	1,140,491.07	98,527.68	70,006.47	35,648.74	128,995.24	349,247.58
14.6	22.6	0.9	0.4	2.3	1.3	0.1

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population.....	882	2,605	P.V.	1,221	7,050
ASSETS.....	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		900.00			29,470.68
Substation equipment.....		5,956.75			
Distribution system—overhead.....	18,173.37	52,037.08	4,930.57	22,579.13	88,091.50
Distribution system—underground.....					
Line transformers.....	6,876.79	33,815.25	2,432.95	7,633.43	31,592.66
Meters.....	5,202.72	17,538.40	2,540.27	7,068.79	28,675.59
Street light equipment, regular.....	1,027.53	6,649.63	158.29	3,252.88	5,300.06
Street light equipment, ornamental.....					16,611.59
Miscellaneous construction expense.....	1,505.04	5,695.50	598.29	925.01	6,856.88
Steam or hydraulic plant.....					
Old plant.....		3,389.94			9,929.60
Total plant.....	32,785.45	125,982.55	10,660.37	41,459.24	216,528.56
Bank and cash balance.....	2,940.76	63.94	1,111.72	1,424.79	15.00
Securities and investments.....	7,000.00	28,800.00	7,000.00	17,000.00	110,000.00
Accounts receivable.....	361.29	1,318.44	11.45	408.64	2,686.75
Inventories.....		801.07		718.95	1,838.01
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	22,620.66	119,127.05	10,811.60	74,352.69	116,972.30
Other assets.....		1,484.06		394.19	87.00
Total assets.....	65,708.16	277,577.11	29,595.14	135,758.50	448,127.62
Deficit.....					
Total.....	65,708.16	277,577.11	29,595.14	135,758.50	448,127.62
LIABILITIES.....					
Debenture balance.....		4,446.22	324.86	822.68	18,754.54
Accounts payable.....	726.19	103.45	58.23	5.56	7,418.06
Bank overdraft.....					6,649.89
Other liabilities.....	119.00	1,169.56		394.19	20,203.02
Total liabilities.....	845.19	5,719.23	383.09	1,222.43	53,025.51
RESERVES.....					
For equity in H-E.P.C. systems.....	22,620.66	119,127.05	10,811.60	74,352.69	116,972.30
For depreciation.....	11,227.16	49,439.87	4,514.89	18,918.04	61,056.74
Other reserves.....	2,700.00	199.80		1,012.37	19,753.39
Total reserves.....	36,547.82	168,766.72	15,326.49	94,283.10	197,782.43
SURPLUS.....					
Debentures paid.....	14,630.02	45,553.78	4,912.14	16,177.32	127,245.46
Local sinking fund.....					
Operating surplus.....	13,685.13	57,537.38	8,973.42	24,075.65	70,074.22
Total surplus.....	28,315.15	103,091.16	13,885.56	40,252.97	197,319.68
Total liabilities, reserves and surplus.....	65,708.16	277,577.11	29,595.14	135,758.50	448,127.62
Percentage of net debt to total assets.....	2.0	3.6	2.0	2.0	11.6

“A”—Continued

Hydro Municipalities as at December 31, 1943

Port Credit 1,956	Port Dalhousie 1,747	Port Dover 1,818	Port Rowan 622	Port Stanley 919	Preston 6,707	Princeton P.V.
\$ c. 675.00	\$ c.	\$ c. 248.75	\$ c.	\$ c. 1,574.60	\$ c. 57,024.08	\$ c.
36,480.31	23,069.55	36,264.32	10,370.43	27,427.98	91,562.83	4,478.31
14,206.45	14,740.77	13,656.32	1,883.34	14,059.69	55,798.95	3,473.44
14,291.78	12,110.04	11,234.96	2,702.19	12,550.21	44,281.69	1,576.66
5,180.06	1,041.19	2,767.73	893.23	2,145.89	5,617.32	207.93
1,097.41	2,571.76	3,382.44	731.43	6,932.06	9,594.73	91.05
	6,018.38				32,126.75	
71,931.01	59,551.69	67,554.52	16,580.62	64,690.43	296,006.35	9,827.39
5,189.58	3,739.80	1,678.41	491.14	3,564.26	9,228.54	563.93
7,500.00	6,000.00	10,000.00	7,500.00	17,000.00	20,000.00	5,500.00
648.81	1,210.07	1,426.38		664.76	13,565.93	14.94
	353.25	256.07		14.00	6,829.35	
48,830.28	43,753.36	31,342.58	8,198.30	48,077.06	303,056.86	11,165.81
	1.58	21.04			3.82	
134,099.68	114,609.75	112,279.00	32,770.06	134,010.51	648,690.85	27,072.07
134,099.68	114,609.75	112,279.00	32,770.06	134,010.51	648,690.85	27,072.07
2,084.44			3,323.14		9,286.27	220.09
446.61	381.93	140.40		247.10	9,415.49	5.84
1,034.78	1,171.68	779.00	230.00	446.42	1,045.92	25.00
3,565.83	1,553.61	919.40	3,553.14	693.52	19,747.68	250.93
48,830.28	43,753.36	31,342.58	8,198.30	48,077.06	303,056.86	11,165.81
25,663.82	10,474.31	20,017.48	5,504.15	20,807.60	159,584.11	3,232.04
5,075.00	300.00			3,075.23	438.14	
79,569.10	54,527.67	51,360.06	13,702.45	71,959.89	463,079.11	14,397.85
12,415.56	22,500.00	29,000.00	7,676.86	18,950.00	143,513.73	3,329.91
38,549.19	36,028.47	30,999.54	7,837.61	42,407.10	22,350.33	9,093.38
50,964.75	58,528.47	59,999.54	15,514.47	61,357.10	165,864.06	12,423.29
134,099.68	114,609.75	112,279.00	32,770.06	134,010.51	648,690.85	27,072.07
4.2	2.2	1.1	14.5	0.8	5.7	1.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM NIAGARA DIVISION—Continued

Municipality.....	Queenston	Richmond Hill	Ridgetown	Riverside	Rockwood
Population.....	P.V.	1,423	1,854	5,525	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			3,634.63	11,371.12	79.00
Substation equipment.....		600.00	1,024.24		
Distribution system—overhead.....	8,672.58	12,676.98	24,634.49	84,284.67	9,100.28
Distribution system—underground.....					
Line transformers.....	3,281.64	12,023.84	12,608.57	28,051.69	3,705.66
Meters.....	1,971.61	7,342.08	10,847.08	27,249.55	3,663.81
Street light equipment, regular.....	435.63	1,338.88	6,709.88		731.82
Street light equipment, ornamental.....			1,431.73	19,163.24	
Miscellaneous construction expense.....	2,697.32	340.76	1,214.96	6,500.61	472.13
Steam or hydraulic plant.....					
Old plant.....			5,088.46		
Total plant.....	17,058.78	34,322.54	67,194.04	176,620.88	17,752.70
Bank and cash balance.....	1,912.24	902.27	1,056.98	1,421.18	489.97
Securities and investments.....	4,500.00	6,500.00	12,000.00	25,000.00	3,600.00
Accounts receivable.....	99.52	180.15	583.38	10,427.48	29.48
Inventories.....			409.33	3,309.98	110.88
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	8,196.92	24,123.25	50,147.54	96,086.88	13,093.81
Other assets.....			1,230.00	2,363.15	
Total assets.....	31,767.46	66,028.21	132,621.27	315,229.55	35,076.84
Deficit.....					
Total.....	31,767.46	66,028.21	132,621.27	315,229.55	35,076.84
LIABILITIES					
Debenture balance.....	611.39		1,398.63		1,296.57
Accounts payable.....	0.63	861.95	1,530.78	4,021.39	28.49
Bank overdraft.....					
Other liabilities.....	82.11	571.09	2,381.73	21,526.39	118.72
Total liabilities.....	694.13	1,433.04	5,311.14	25,547.78	1,443.78
RESERVES					
For equity in H-E.P.C. systems.....	8,196.92	24,123.25	50,147.54	96,086.88	13,093.81
For depreciation.....	5,366.63	3,799.51	22,194.36	54,573.56	7,608.26
Other reserves.....		3,069.37	2,772.11	13,465.40	
Total reserves.....	13,563.55	30,992.13	75,114.01	164,125.84	20,702.07
SURPLUS					
Debentures paid.....	8,888.61	12,200.00	18,057.36	82,500.00	3,203.43
Local sinking fund.....					
Operating surplus.....	8,621.17	21,403.04	34,138.76	43,055.93	9,727.56
Total surplus.....	17,509.78	33,603.04	52,196.12	125,555.93	12,930.99
Total liabilities, reserves and surplus.....	31,767.46	66,028.21	132,621.27	315,229.55	35,076.84
Percentage of net debt to total assets.....	2.9	3.4	8.0	3.2	6.6

“A”—Continued

Hydro Municipalities as at December 31, 1943

Rodney 722	St. Catharines 32,559	St. Clair Beach *153	St. George P.V.	St. Jacobs P.V.	St. Marys 4,005
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	55,475.10				18,773.68
	151,380.08				32,511.55
12,289.98	295,104.32	9,166.04	6,105.68	7,497.15	64,885.86
4,000.32	195,792.52	3,062.85	4,038.89	4,635.13	27,039.40
3,923.71	144,557.61	2,200.65	3,513.85	3,722.98	27,519.88
3,533.02	24,111.82		337.24	396.19	6,638.04
	29,486.71				
889.93	27,994.39	6.40	374.18	508.62	7,310.36
	45,507.89				20,696.85
24,636.96	969,410.44	14,435.94	14,369.84	16,760.07	205,375.62
1,197.47	7,306.96	806.39	592.13	313.58	5,547.89
5,200.00	195,000.00	4,500.00	8,500.00	8,500.00	13,000.00
13.08	70,046.50	303.90	1.23		1,136.90
	17,540.40				730.18
16,029.18	755,672.72	8,059.82	16,430.70	19,505.45	153,720.54
		137.18			236.77
47,076.69	2,014,977.02	28,243.23	39,893.90	45,079.10	379,747.90
47,076.69	2,014,977.02	28,243.23	39,893.90	45,079.10	379,747.90
	26,250.00		401.65		12,952.26
165.61	73,629.93	260.14	0.99	30.65	616.74
305.00	29,853.21	137.18	165.00		1,084.00
470.61	129,733.14	397.32	567.64	30.65	14,653.00
16,029.18	755,672.72	8,059.82	16,430.70	19,505.45	153,720.54
4,860.54	296,101.63	5,811.74	4,321.74	4,200.23	82,259.33
75.54	60,901.77	49.50	1,000.00		1,780.69
20,965.26	1,112,676.12	13,921.06	21,752.44	23,705.68	237,760.56
8,500.00	275,772.91	6,341.45	5,598.35	6,000.00	101,294.76
17,140.82	496,794.85	7,583.40	11,975.47	15,342.77	26,039.58
25,640.82	772,567.76	13,924.85	17,573.82	21,342.77	127,334.34
47,076.69	2,014,977.02	28,243.23	39,893.90	45,079.10	379,747.90
1.5	4.5	2.0	2.4	0.1	6.5

*Summer population 323.

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	St. Thomas	Sarnia	Scarborough Twp. V.A.	Seaforth
Population	17,773	17,840		1,711
ASSETS.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	79,093.04	141,602.83	20,696.77	1,836.39
Substation equipment.....	131,949.61	235,560.49	18,309.47	8,930.07
Distribution system—overhead.....	126,203.08	237,096.72	329,109.37	32,416.73
Distribution system—underground.....	52,815.87			
Line transformers.....	71,341.16	94,153.18	92,474.07	12,687.24
Meters.....	80,583.95	90,044.10	86,001.43	11,163.86
Street light equipment, regular.....	22,412.43	27,717.39	21,569.14	5,789.27
Street light equipment, ornamental.....	3,693.04	8,271.83		
Miscellaneous construction expense.....	8,595.64	22,129.31	6,046.69	1,203.69
Steam or hydraulic plant.....				
Old plant.....		55,445.72		
Total plant.....	576,687.82	912,021.57	574,206.94	74,027.25
Bank and cash balance.....	9,927.44		33,192.20	3,960.13
Securities and investments.....	110,000.00	125,000.00	135,000.00	5,100.00
Accounts receivable.....	14,423.42	6,495.55	13,452.92	1,288.81
Inventories.....	11,232.19	20,898.99		1,419.67
Sinking fund on local debentures.....				
Equity in H-E.P.C. systems.....	580,769.72	738,577.86	227,373.94	70,824.71
Other assets.....		3,119.56	22.09	
Total assets.....	1,303,040.59	1,806,113.53	983,248.09	156,620.57
Deficit.....				
Total.....	1,303,040.59	1,806,113.53	983,248.09	156,620.57
LIABILITIES				
Debenture balance.....		3,172.68	40,728.67	9,481.75
Accounts payable.....	971.06	5,346.86	12,541.51	93.25
Bank overdraft.....		2,290.62		
Other liabilities.....	17,688.51	18,054.89	43,417.78	478.84
Total liabilities.....	18,659.57	28,865.05	96,687.96	10,053.84
RESERVES				
For equity in H-E.P.C. systems.....	580,769.72	738,577.86	227,373.94	70,824.71
For depreciation.....	227,885.91	250,741.71	179,668.61	25,223.49
Other reserves.....	463.92	18,568.77	46,795.02	256.65
Total reserves.....	809,119.55	1,007,888.34	453,837.57	96,304.85
SURPLUS				
Debentures paid.....	138,944.07	334,827.32	249,839.60	25,518.25
Local sinking fund.....				
Operating surplus.....	336,317.40	434,532.82	182,882.96	24,743.63
Total surplus.....	475,261.47	769,360.14	432,722.56	50,261.88
Total liabilities, reserves and surplus.....	1,303,040.59	1,806,113.53	983,248.09	156,620.57
Percentage of net debt to total assets.....	2.1	1.9	12.8	11.7

“A”—Continued

Hydro Municipalities as at December 31, 1943

Simcoe	Smithville	Springfield	Stamford Township	Stouffville	Stratford	Strathroy
6,224	P.V.	409		1,223	16,993	3,060
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,701.89			7,572.14		141,455.78	9,373.61
41,527.90			38,143.09		183,275.75	23,640.34
60,874.86	10,889.94	10,204.76	164,190.09	14,238.86	158,313.22	50,435.89
1,412.24					22,971.15	
44,282.52	4,118.05	3,003.15	64,877.85	5,656.84	107,597.01	25,821.55
37,211.04	4,448.09	2,348.18	49,758.35	5,523.98	90,274.06	17,144.01
8,383.09	1,630.00	609.47	10,767.11	1,613.55	25,809.76	6,238.53
3,500.00						
6,682.41	243.53	685.08	12,182.56	490.31	23,530.60	3,841.66
927.92	1,878.98		13,743.66		31,520.00	
215,503.87	23,208.59	16,850.64	361,234.85	27,523.54	784,747.33	136,495.59
4,775.54	2,618.91	615.60	14,813.11	3,957.45	26,332.42	4,936.37
55,000.00	8,000.00	4,500.00	26,000.00	17,000.00	173,000.00	27,000.00
813.03	8.48	632.45	12,860.76		7,700.42	711.20
6,726.69			5,204.37		12,210.44	2,243.58
130,325.84	956.69	10,557.52	115,814.68	20,020.66	71,886.06	104,279.80
			204.31		694.00	
413,144.97	34,792.67	33,156.21	536,132.08	68,501.65	1,770,317.93	275,666.54
413,144.97	34,792.67	33,156.21	536,132.08	68,501.65	1,770,317.93	275,666.54
15,445.90	6,290.00	1,319.75	52,549.10		100,000.00	15,008.17
388.89	58.94	236.29	776.52	299.35	1,089.17	173.17
4,696.75	80.00	30.00	8,305.22	435.60	5,273.96	1,197.49
20,531.54	6,428.94	1,586.04	61,630.84	734.95	106,363.13	16,378.83
130,325.84	956.69	10,557.52	115,814.68	20,020.66	693,747.26	104,279.80
41,755.31	6,742.91	3,431.91	87,070.96	4,871.39	393,574.54	51,743.69
22,000.00			24,372.43	2,049.15	18,888.52	1,084.00
194,081.15	7,699.60	13,989.43	227,258.07	26,941.20	1,106,210.32	157,107.49
59,989.00	8,710.00	8,180.25	187,729.07	14,673.90	355,800.00	38,880.68
138,543.28	11,954.13	9,400.49	59,514.10	26,151.60	71,886.06	63,299.54
198,532.28	20,664.13	17,580.74	247,243.17	40,825.50	130,058.42	102,180.22
413,144.97	34,792.67	33,156.21	536,132.08	68,501.65	557,744.48	275,666.54
6.1	19.0	7.0	14.7	1.5	3.4	9.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Streets- ville 704	Sutton 918	Swansea 7,033	Tavistock 1,042	Tecumseh 2,628
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Land and buildings.....	8,848.49			3,667.33	1,232.16
Substation equipment.....	1,172.04				
Distribution system—overhead.....	9,623.12	22,062.62	79,714.59	13,922.82	39,019.75
Distribution system—underground.....					
Line transformers.....	7,483.27	8,704.56	52,493.24	10,040.17	11,545.42
Meters.....	4,242.45	7,275.90	37,203.57	6,698.61	13,500.43
Street light equipment, regular.....	1,619.31	1,932.90	10,853.42	1,152.93	
Street light equipment, ornamental.....					4,760.95
Miscellaneous construction expense.....	907.83	1,567.82	4,884.16	983.12	2,751.45
Steam or hydraulic plant.....	10,641.55				
Old plant.....		675.00			
Total plant.....	44,538.06	42,218.80	185,148.98	36,464.98	72,810.16
Bank and cash balance.....	5.00	1,702.56	10,220.39	136.50	2,517.49
Securities and investments.....	8,500.00	10,000.00	45,000.00	9,000.00	12,000.00
Accounts receivable.....	1,725.14	494.66	1,074.09	10.00	2,080.23
Inventories.....				681.91	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	3,727.75	19,817.24	102,546.96	53,188.05	30,829.47
Other assets.....					905.69
Total assets.....	58,495.95	74,233.26	343,990.42	99,481.44	121,143.04
Deficit.....					
Total.....	58,495.95	74,233.26	343,990.42	99,481.44	121,143.04
LIABILITIES					
Debenture balance.....	9,331.42		57,764.55	1,062.98	
Accounts payable.....	107.28		973.52	227.59	1,136.80
Bank overdraft.....	206.71				
Other liabilities.....	243.35		5,384.58		5,666.64
Total liabilities.....	9,888.76		64,122.65	1,290.57	6,803.44
RESERVES					
For equity in H-E.P.C. systems.....	3,727.75	19,817.24	102,546.96	53,188.05	30,829.47
For depreciation.....	7,242.42	13,398.90	62,269.38	15,881.49	20,432.37
Other reserves.....	2,545.00	1,625.00	264.49	1,000.00	5,873.45
Total reserves.....	13,515.17	34,841.14	165,080.83	70,069.54	57,135.29
SURPLUS					
Debentures paid.....	8,213.66	26,000.00	44,902.41	4,937.02	26,000.00
Local sinking fund.....					
Operating surplus.....	26,878.36	13,392.12	69,884.53	23,184.31	31,204.31
Total surplus.....	35,092.02	39,392.12	114,786.94	28,121.33	57,204.31
Total liabilities, reserves and surplus.....	58,495.95	74,233.26	343,990.42	99,481.44	121,143.04
Percentage of net debt to total assets.....	18.1	0.0	26.5	2.8	2.4

"A"—Continued

Hydro Municipalities as at December 31, 1943

Thamesford P.V.	Thamesville 789	Thedford 557	Thorndale P.V.	Thorold 5,374	Tilbury 1,982	Tillsonburg 3,999
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	681.69	.....	.....	10,837.37	11,712.47	4,824.27
7,840.02	13,348.51	9,961.69	3,850.26	43,369.20	17,588.31	21,899.54
3,845.07	5,773.60	4,057.98	2,045.45	23,961.33	14,569.89	26,510.45
3,400.26	4,818.13	2,989.10	1,974.64	24,506.19	8,267.02	23,501.34
298.97	2,278.15	903.22	181.19	3,244.74	1,080.92	12,364.89
437.08	371.34	1,530.81	310.45	3,690.01	1,583.87	2,028.31
.....	.....	.....	.....	2,572.33	.....	.....
.....	.....	433.78	.....	6,441.41	3,049.47	.....
15,821.40	27,271.42	19,876.58	8,361.99	118,622.58	57,851.95	142,105.41
279.03	1,385.35	1,978.31	673.12	4,091.09	.....	8,652.68
6,000.00	13,500.00	11,500.00	3,100.00	74,000.00	14,000.00	19,500.00
6.21	125.36	114.72	440.18	783.92	247.64	119.78
.....	.....	.....	.....	2,970.86	20.31	1,955.56
19,988.75	20,441.27	11,223.64	9,892.02	120,913.45	56,662.58	103,669.53
.....	.....	.....	.....	30.04	55.71	.....
42,095.39	62,723.40	44,693.25	22,467.31	321,411.94	128,838.19	276,002.96
42,095.39	62,723.40	44,693.25	22,467.31	321,411.94	128,838.19	276,002.96
47.36	.....	.....	283.28	.....	685.37	8,951.70
625.24	138.15	337.48	0.69	97.53	122.80	15.14
.....	.....	.....	.....	.....	132.74	.....
77.00	401.00	11.39	69.57	2,594.50	18.25	3,827.47
749.60	539.15	348.87	353.54	2,692.03	959.16	12,794.31
19,988.75	20,441.27	11,223.64	9,892.02	120,913.45	56,662.58	103,669.53
6,974.52	12,770.22	6,270.19	5,327.84	41,355.81	20,832.81	37,119.94
.....	167.29	.....	422.88	.....	143.60	5,221.79
26,963.27	33,378.78	17,493.83	15,642.74	162,269.26	77,638.99	146,011.26
5,310.67	11,187.80	16,500.00	2,803.20	5,000.00	13,314.63	37,048.30
9,071.85	17,617.67	10,350.55	3,667.83	151,450.65	36,925.41	80,149.09
14,382.52	28,805.47	26,850.55	6,471.03	156,450.65	50,240.04	117,197.39
42,095.39	62,723.40	44,693.25	22,467.31	321,411.94	128,838.19	276,002.96
3.4	1.3	1.0	2.8	1.3	1.3	7.4

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Toronto	Toronto Twp. V.A.	Trafalgar Twp. V.A. No. 1	Trafalgar Twp. V.A. No. 2
Population.....	669,130			
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	5,544,210.89	8,072.99	156.34	
Substation equipment.....	14,980,528.80			
Distribution system—overhead.....	6,911,998.05	218,669.42	23,876.06	12,430.01
Distribution system—underground.....	4,151,610.61			
Line transformers.....	3,592,128.43	85,022.53	11,422.52	2,985.30
Meters.....	3,111,550.20	51,197.67	6,093.17	1,783.86
Street light equipment, regular.....	419,547.75	5,630.42		
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	2,207,077.92	4,119.80	1,371.36	320.80
Steam or hydraulic plant.....				
Old plant.....		619.65		
Total plant.....	40,918,652.65	373,332.48	42,919.45	17,519.97
Bank and cash balance.....	405,253.93	865.33	1,018.73	606.00
Securities and investments.....	6,776,876.15	25,000.00	7,000.00	6,000.00
Accounts receivable.....	1,716,616.80	492.71	164.03	57.86
Inventories.....	629,438.11	39.50		
Sinking fund on local debentures.....	3,972,394.06			
Equity in H-E.P.C. systems.....	22,114,474.37	136,310.40	7,296.63	2,514.17
Other assets.....	45,009.01			
Total assets.....	76,578,715.08	536,040.42	58,398.84	26,698.00
Deficit.....				
Total.....	76,578,715.08	536,040.42	58,398.84	26,698.00
LIABILITIES				
Debenture balance.....	9,015,206.67	11,888.62		6,270.34
Accounts payable.....	1,219,967.63	1,585.83	521.63	36.41
Bank overdraft.....				
Other liabilities.....	218,927.25	5,263.42		
Total liabilities.....	10,454,101.55	18,737.87	521.63	6,306.75
RESERVES				
For equity in H-E.P.C. systems.....	22,114,474.37	136,310.40	7,296.63	2,514.17
For depreciation.....	12,452,609.60	166,167.13	23,249.43	4,767.93
Other reserves.....	1,254,750.85	2,072.36		
Total reserves.....	35,821,834.82	304,549.89	30,546.06	7,282.10
SURPLUS				
Debentures paid.....	21,400,092.05	92,111.38	19,426.41	3,190.81
Local sinking fund.....	3,972,394.06			
Operating surplus.....	4,930,292.60	120,641.28	7,904.74	9,918.34
Total surplus.....	30,302,778.71	212,752.66	27,331.15	13,109.15
Total liabilities, reserves and surplus.....	76,578,715.08	536,040.42	58,398.84	26,698.00
Percentage of net debt to total assets.....	12.8	4.7	1.0	26.1

"A"—Continued

Hydro Municipalities as at December 31, 1943

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,970	227	898	1,300	9,349	1,038	14,899
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
45,508.56		200.00	1,323.44	15,166.17		77,006.74
11,425.11				79,251.93		115,102.35
65,721.23	5,320.08	16,648.56	16,650.30	98,106.37	17,900.40	163,219.72
						8,044.90
45,226.93	1,619.80	7,101.48	9,150.24	61,988.10	8,583.12	119,155.38
26,502.41	1,409.05	6,454.17	7,383.47	45,665.86	6,299.54	81,131.01
11,823.12	662.94	1,104.66	3,231.62	14,318.75	2,757.32	10,336.03
				3,106.80		39,049.25
3,891.33	488.73	17.81	830.02	5,884.59	1,850.43	10,635.50
20,941.07				23,880.17		49,476.19
231,039.76	9,500.60	31,526.68	38,569.09	347,368.74	37,390.81	673,157.07
4,576.94	795.09	3,730.90	3,256.67	6,363.18	3,101.24	31,350.81
52,000.00	3,500.00	9,000.00	9,300.00	91,000.00	10,300.00	164,795.53
3,487.19	675.97	662.37	69.90	1,660.67	258.81	1,856.60
9,286.66			152.70	1,600.61	459.04	16,513.94
222,134.28	4,288.66	25,748.06	37,727.84	310,009.60	28,105.38	379,702.15
627.14					12.06	
523,151.97	18,760.32	70,668.01	89,076.20	758,002.80	79,627.34	1,284,187.20
523,151.97	18,760.32	70,668.01	89,076.20	758,002.80	79,627.34	1,284,187.20
7,849.24						30,948.77
357.14			183.72	23.40	112.89	839.43
2,998.10		99.37		3,106.80	283.20	51,459.98
11,204.48		99.37	183.72	3,130.20	396.09	83,248.18
222,134.28	4,288.66	25,748.06	37,727.84	310,009.60	28,105.38	379,702.15
69,229.66	4,358.25	9,638.12	15,245.56	177,654.00	13,728.80	205,871.90
11,478.12	25.22		1,500.00	735.26	109.17	3,729.50
302,842.06	8,672.13	35,386.18	54,473.40	488,398.86	41,943.35	589,303.45
63,687.34	7,562.40	8,000.00	7,745.53	106,000.00	9,055.77	244,051.23
145,418.09	2,525.79	27,182.46	26,673.55	160,473.74	28,232.13	350,773.24
209,105.43	10,088.19	35,182.46	34,419.08	266,473.74	37,287.90	611,635.57
523,151.97	18,760.32	70,668.01	89,076.20	758,002.80	79,627.34	1,284,187.20
3.7	0.0	0.2	0.4	0.0	0.8	5.2

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population.....	P.V.	785	6,165	718	109,948
ASSETS.....	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Land and buildings.....			11,903.31	52.50	589,459.09
Substation equipment.....			72,093.84		1,323,232.08
Distribution system—overhead.....	7,803.94	12,788.51	70,439.43	17,285.32	1,368,230.01
Distribution system—underground.....					205,324.71
Line transformers.....	3,035.44	6,696.28	58,069.35	4,715.53	605,633.49
Meters.....	3,153.66	4,185.21	33,079.78	4,803.56	573,986.63
Street light equipment, regular.....	545.11	881.46	29,347.37	1,918.67	96,769.87
Street light equipment, ornamental.....					1,021,495.33
Miscellaneous construction expense.....	256.50	471.23	5,670.89	687.51	180,016.18
Steam or hydraulic plant.....					
Old plant.....				2,569.50	166,440.66
Total plant.....	14,794.65	25,022.69	280,603.97	32,032.59	6,130,588.05
Bank and cash balance.....	427.53	1,246.35	2,488.68	1,346.61	
Securities and investments.....	6,500.00	8,500.00		14,500.00	1,162,660.71
Accounts receivable.....		10.66	458.19	162.94	138,963.50
Inventories.....		134.48	451.74	162.87	194,914.67
Sinking fund on local debentures.....					71,429.54
Equity in H-E.P.C. systems.....	18,592.15	28,712.50	279,055.51	16,271.96	3,559,334.68
Other assets.....					139,649.13
Total assets.....	40,314.33	63,626.68	563,058.09	64,476.97	11,397,540.28
Deficit.....					
Total.....	40,314.33	63,626.68	563,058.09	64,476.97	11,397,540.28
LIABILITIES					
Debenture balance.....			1,982.94		402,195.48
Accounts payable.....	1.61	176.63	8.22	1,127.66	135,538.74
Bank overdraft.....					71,832.90
Other liabilities.....		119.00	1,312.03		1,142,644.46
Total liabilities.....	1.61	295.63	3,303.19	1,127.66	1,752,211.58
RESERVES					
For equity in H-E.P.C. systems.....	18,592.15	28,712.50	279,055.51	16,271.96	3,559,334.68
For depreciation.....	4,972.98	11,583.96	54,718.23	9,255.74	1,596,846.38
Other reserves.....		65.12	421.44	55.18	581,823.39
Total reserves.....	23,565.13	40,361.58	334,195.18	25,582.88	5,738,004.45
SURPLUS					
Debentures paid.....	7,500.00	8,000.00	68,049.50	13,000.00	2,181,636.57
Local sinking fund.....					71,429.54
Operating surplus.....	9,247.59	14,969.47	157,510.22	24,766.43	1,654,258.14
Total surplus.....	16,747.59	22,969.47	225,559.72	37,766.43	3,907,324.25
Total liabilities, reserves and surplus.....	40,314.33	63,626.68	563,058.09	64,476.97	11,397,540.28
Percentage of net debt to total assets.....	0.0	0.8	1.2	2.3	9.8

"A"—Continued

Hydro Municipalities as at December 31, 1943

Woodbridge 1,019	Woodstock 12,745	Wyoming 494	York Twp.	Zurich P.V.	NIAGARA DIVISION SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	40,896.99	50.00	75,231.47	.....	9,678,170.08
.....	132,688.12	.....	6,245.09	.....	22,984,201.66
19,369.11	134,868.80	10,762.99	792,205.30	7,373.89	19,855,878.01
.....	.....	.....	.....	.....	5,864,739.95
6,174.26	73,383.89	1,508.00	339,136.42	2,844.27	10,246,078.12
6,259.98	67,204.98	3,112.86	345,317.76	3,080.01	8,831,130.58
624.03	22,745.24	548.49	57,150.88	471.82	1,974,490.47
.....	.....	.....	.....	.....	1,542,294.82
944.38	5,684.55	875.52	46,885.15	405.61	3,307,933.53
.....	.....	.....	.....	.....	13,213.88
.....	.....	.....	.....	150.00	744,489.88
33,371.76	477,472.57	16,857.86	1,662,172.07	14,325.60	85,042,620.98
2,548.94	6,732.61	1,448.84	81,079.85	529.33	1,536,427.65
9,000.00	118,500.00	1,700.00	333,000.00	9,000.00	13,284,895.37
196.50	1,103.24	13.70	64,744.79	.....	2,902,557.92
.....	449.22	.....	36,904.91	.....	1,458,370.94
.....	.....	.....	.....	.....	4,499,315.92
37,397.35	475,839.23	9,568.01	855,109.68	15,358.15	53,598,956.78
.....	233.87	120.00	.....	.....	355,605.57
82,514.55	1,080,330.74	29,708.41	3,033,011.30	39,213.08	162,678,751.13
.....	.....	.....	.....	.....	1,648.10
82,514.55	1,080,330.74	29,708.41	3,033,011.30	39,213.08	162,680,399.23
1,079.80	.....	.....	98,761.97	1,370.11	12,169,928.53
435.54	1,085.96	346.81	53,067.32	40.71	2,310,810.54
.....	.....	.....	.....	.....	83,836.12
501.00	9,142.02	120.00	30,091.72	10.00	2,381,832.53
2,016.34	10,227.98	466.81	181,921.01	1,420.82	16,946,407.72
37,397.35	475,839.23	9,568.01	855,109.68	15,358.15	53,598,956.78
12,447.98	229,810.19	6,097.30	729,787.20	7,930.66	26,212,658.36
3,500.00	27,881.27	.....	11,478.11	.....	4,023,377.10
53,345.33	733,530.69	15,665.31	1,596,374.99	23,288.81	83,834,992.24
7,420.17	127,385.63	9,700.00	390,612.68	4,221.50	37,573,578.41
.....	.....	.....	.....	.....	4,499,315.92
19,732.71	209,186.44	3,876.29	864,102.62	10,281.95	19,826,104.94
27,152.88	336,572.07	13,576.29	1,254,715.30	14,503.45	61,898,999.27
82,514.55	1,080,330.74	29,708.41	3,033,011.30	39,213.08	162,680,399.23
4.5	1.7	2.3	8.3	5.9	10.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION

Municipality	Alliston	Arthur	Barrie	Beaverton	Beeton
Population	1,504	896	10,339	839	514
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Land and buildings			16,550.75	499.50	
Substation equipment	675.73		18,884.56		428.50
Distribution system—overhead	29,161.46	18,336.15	72,388.92	25,310.89	11,896.38
Distribution system—underground			66,582.89		
Line transformers	8,797.77	4,889.78	49,158.00	9,303.64	2,985.94
Meters	8,558.43	4,817.21	54,887.96	7,286.81	2,646.65
Street light equipment, regular	1,567.17	796.21	13,243.29	1,316.79	1,169.54
Street light equipment, ornamental					
Miscellaneous construction expense	2,511.81	277.35	4,878.06	2,261.48	1,512.39
Steam or hydraulic plant					
Old plant	7,846.49	1,086.62		3,772.42	
Total plant	59,118.86	30,203.32	296,574.43	49,751.53	20,639.40
Bank and cash balance	2,582.20	333.69	5,760.43	135.42	155.45
Securities and investments	16,500.00	4,000.00	14,500.00	7,000.00	7,500.00
Accounts receivable	184.88	148.20	1,164.23	87.29	55.60
Inventories	46.59		4,346.35		
Sinking fund on local debentures					
Equity in H-E.P.C. systems	28,164.80	22,838.61	185,866.79	24,236.10	18,279.86
Other assets			10,901.64		65.93
Total assets	106,597.33	57,523.82	519,113.87	81,210.34	46,696.24
Deficit		12,312.40			
Total	106,597.33	69,836.22	519,113.87	81,210.34	46,696.24
LIABILITIES					
Debenture balance	8,394.75	7,632.04	5,509.65		4,224.58
Accounts payable	106.87	484.42	660.83	344.58	60.91
Bank overdraft					
Other liabilities	389.00	390.00	5,286.71	517.04	65.93
Total liabilities	8,890.62	8,506.46	11,457.19	861.62	4,351.42
RESERVES					
For equity in H-E.P.C. systems	28,164.80	22,838.61	185,866.79	24,236.10	18,279.86
For depreciation	23,038.02	21,123.19	126,442.32	19,685.74	12,001.25
Other reserves	4,232.51		7,400.00	400.00	90.68
Total reserves	55,435.33	43,961.80	319,709.11	44,321.84	30,371.79
SURPLUS					
Debentures paid	31,605.25	17,367.96	59,856.03	15,000.00	10,775.42
Local sinking fund					
Operating surplus	10,666.13		128,091.54	21,026.88	1,197.61
Total surplus	42,271.38	17,367.96	187,947.57	36,026.88	11,973.03
Total liabilities, reserves and surplus	106,597.33	69,836.22	519,113.87	81,210.34	46,696.24
Percentage of net debt to total assets	11.3	24.5	3.4	1.5	15.3

“A”—Continued

Hydro Municipalities as at December 31, 1943

Bradford 992	Brechin P.V.	Cannington 731	Chatsworth 356	Chesley 1,601	Coldwater 549	Collingwood 6,324
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
388.50			364.89	6,000.00	275.00	15,950.08
21,088.44	2,135.59	11,958.66	5,312.42	2,305.58		24,954.35
				22,374.60	9,740.40	59,398.53
5,371.05	1,495.73	5,821.36	2,309.52	9,078.66	5,502.43	21,854.88
6,218.72	889.42	5,016.49	1,868.23	7,545.27	3,505.38	28,104.17
544.95	248.55	988.37	529.17	2,506.98	775.02	3,200.68
2,305.02	546.92	589.50	452.60	3,522.48	222.60	1,376.04
		3,609.37				
35,916.68	5,316.21	27,983.75	10,836.83	53,333.57	20,020.83	154,838.73
1,278.94	1,242.73	1,928.30	481.63	978.52	134.28	1,925.64
12,500.00	500.00	4,000.00	2,500.00	5,000.00	4,000.00	11,000.00
661.50	68.99	63.40	63.96		76.48	723.71
		242.83		445.66		
21,545.62	8,864.21	18,250.77	5,382.55	43,058.11	17,411.19	162,282.09
						943.22
71,902.74	15,992.14	52,460.95	19,264.97	102,815.86	41,642.78	331,713.39
71,902.74	15,992.14	52,469.05	19,264.97	102,815.86	41,642.78	331,713.39
6,724.25	818.89	782.77				
	48.83	160.32	35.63	3,003.08	332.70	1,760.54
327.21	30.85	60.00	147.36		276.37	3,477.44
7,051.46	898.57	1,003.09	182.99	3,003.08	609.07	5,237.98
21,545.62	8,864.21	18,250.77	5,382.55	43,058.11	17,411.19	162,282.09
16,057.86	2,404.59	14,571.35	4,415.70	19,078.67	12,204.32	77,150.74
1,129.88	47.11	564.05		1,000.00	80.00	138.16
38,733.36	11,315.91	33,386.17	9,798.25	63,136.78	29,695.51	239,570.99
18,475.75	2,392.03	14,217.23	5,400.00	27,500.00	7,000.00	38,183.42
7,642.17	1,385.63	3,862.56	3,883.73	9,176.00	4,338.20	48,721.00
26,117.92	3,777.66	18,079.79	9,283.73	36,676.00	11,338.20	86,904.42
71,902.74	15,992.14	52,469.05	19,264.97	102,815.86	41,642.78	331,713.39
14.0	12.6	2.9	1.3	5.0	2.5	3.1

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Continued

Municipality	Cooks- town P.V.	Creemore	Dundalk	Durham	Elmvale
Population		628	705	1,937	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	70.00			210.28	106.25
Substation equipment	392.95			546.02	2,273.07
Distribution system—overhead	9,874.23	7,669.57	8,769.11	23,244.44	9,788.13
Distribution system—underground					
Line transformers	2,685.85	3,676.20	4,345.50	9,423.89	3,821.64
Meters	2,618.15	3,262.37	3,413.42	8,171.80	4,487.59
Street light equipment, regular	919.69	358.56	1,203.31	1,545.06	447.17
Street light equipment, ornamental					
Miscellaneous construction expense	1,527.82	64.80	285.51	1,477.33	557.26
Steam or hydraulic plant					
Old plant				2,091.39	
Total plant	18,088.69	15,031.50	18,016.85	46,710.21	21,481.11
Bank and cash balance	1,651.10	1,189.32	1,158.96	1,751.81	4,421.92
Securities and investments	9,000.00	5,000.00	5,000.00	9,000.00	6,700.00
Accounts receivable	166.03	138.37	228.39	334.41	42.81
Inventories				478.81	
Sinking fund on local debentures					
Equity in H-E.P.C. systems	6,444.78	14,089.40	15,199.96	36,601.77	17,626.37
Other assets				3.65	
Total assets	35,350.60	35,448.59	39,604.16	94,880.66	50,272.21
Deficit					
Total	35,350.60	35,448.59	39,604.16	94,880.66	50,272.21
LIABILITIES					
Debenture balance	2,490.97				
Accounts payable	38.07	220.04	51.20		170.54
Bank overdraft					
Other liabilities	115.00	255.00			
Total liabilities	2,644.04	475.04	51.20		170.54
RESERVES					
For equity in H-E.P.C. systems	6,444.78	14,089.40	15,199.96	36,601.77	17,626.37
For depreciation	9,724.01	6,892.95	8,648.51	19,182.27	11,571.97
Other reserves		50.00			8.87
Total reserves	16,168.79	21,032.35	23,848.47	55,784.04	29,207.21
SURPLUS					
Debentures paid	11,009.03	2,823.61	5,955.96	25,800.00	7,000.00
Local sinking fund					
Operating surplus	5,528.74	11,117.59	9,748.53	13,296.62	13,894.46
Total surplus	16,537.77	13,941.20	15,704.49	39,096.62	20,894.46
Total liabilities, reserves and surplus	35,350.60	35,448.59	39,604.16	94,880.66	50,272.21
Percentage of net debt to total assets	9.1	2.2	0.2	0.0	0.5

“A”—Continued

Hydro Municipalities as at December 31, 1943

Elmwood P.V.	Flesherton 414	Grand Valley 608	Graven- hurst 2,063	Hanover 3,174	Holstein P.V.	Huntsville 2,849
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	408.78	36.50	10,072.27	3,894.32	.....	353.52
5,194.07	6,017.57	12,359.60	10,936.03	9,271.19	.....	647.30
.....	.....	.....	39,905.31	51,489.13	2,276.12	22,785.50
1,100.67	3,239.30	3,819.98	1,941.77	.....	.....	.....
1,381.54	2,501.23	3,799.21	15,944.39	21,914.81	1,176.04	14,391.34
372.71	814.94	1,051.12	13,529.81	18,487.36	813.31	14,380.90
.....	.....	.....	4,472.25	2,350.30	170.44	7,621.74
1,093.62	992.70	273.38	2,358.83	5,911.44	188.31	1,203.07
.....
.....	.....	.....	18,130.29	2,370.91	.....	5,156.20
9,142.61	13,974.52	21,339.79	117,290.95	115,689.46	4,624.22	66,539.57
1,038.64	895.50	2,346.02	3,883.74	6,281.97	481.95	25.00
4,300.00	8,500.00	8,116.19	8,000.00	48,929.99	3,500.00	8,000.00
11.98	11.90	218.20	164.61	316.51	17.25	1,503.60
.....	.....	.....	954.28	158.17	.....	4,197.72
4,955.33	7,707.46	14,230.25	36,105.74	96,739.61	3,154.05	71,028.76
.....
19,448.56	31,089.38	46,250.45	166,399.32	268,115.71	11,777.47	151,294.65
.....
19,448.56	31,089.38	46,250.45	166,399.32	268,115.71	11,777.47	151,294.65
.....
8.84	665.25	.....	.....	.....	.....	.....
.....	29.90	45.30	297.82	146.61	.....	322.86
.....	.....	.....	.....	.....	.....	54.90
.....	51.00	.....	960.00	939.25	.....	1,112.18
8.84	746.15	45.30	1,257.82	1,085.86	.....	1,489.94
.....
4,955.33	7,707.46	14,230.25	36,105.74	96,739.61	3,154.05	71,028.76
4,000.90	5,823.18	11,522.09	35,395.67	71,737.80	2,234.88	18,549.39
.....	.....	1,000.00	4,872.91	3,000.00	.....	408.31
8,956.23	13,530.64	26,752.34	76,374.32	171,477.41	5,388.93	89,986.46
.....
7,200.00	6,034.75	11,000.00	63,968.41	87,500.00	2,762.05	21,133.54
3,283.49	10,777.84	8,452.81	24,798.77	8,052.44	3,626.49	38,684.71
10,483.49	16,812.59	19,452.81	88,767.18	95,552.44	6,388.54	59,818.25
19,448.56	31,089.38	46,250.45	166,399.32	268,115.71	11,777.47	151,294.65
0.0	3.2	0.1	1.0	0.6	0.0	1.9

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Continued

Municipality	Kin- cardine	Kirkfield	Lucknow	Markdale	Meaford
Population	2,134	P.V.	907	771	2,676
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	6,531.80				1,144.18
Substation equipment	2,794.20			780.80	3,849.47
Distribution system—overhead	44,289.97	5,179.43	21,822.56	11,462.81	33,655.96
Distribution system—underground					
Line transformers	13,970.46	757.90	10,345.06	5,750.80	9,773.33
Meters	13,014.31	814.97	5,860.49	4,599.56	10,742.13
Street light equipment, regular	6,076.00	379.00	1,509.55	1,390.15	3,577.08
Street light equipment, ornamental					
Miscellaneous construction expense	4,877.92	234.11	2,231.37	595.38	2,267.36
Steam or hydraulic plant					
Old plant				2,080.65	3,452.38
Total plant	91,554.66	7,365.41	41,769.03	26,660.15	68,461.89
Bank and cash balance	4,801.59	348.72	4,472.23	2,665.66	647.40
Securities and investments	20,000.00	1,700.00	2,000.00	8,655.13	16,000.00
Accounts receivable	180.66		291.11	105.08	527.42
Inventories	1,811.16				30.64
Sinking fund on local debentures					
Equity in H-E.P.C. systems	51,120.73	3,760.37	23,654.95	12,278.94	36,473.45
Other assets					5.84
Total assets	169,468.80	13,174.50	72,187.32	50,364.96	122,146.64
Deficit		1,290.15			
Total	169,468.80	14,464.65	72,187.32	50,364.96	122,146.64
LIABILITIES					
Debenture balance				1,198.75	
Accounts payable	186.75		4,964.67	63.54	1,139.58
Bank overdraft					
Other liabilities	224.00		5.00	97.00	1,160.76
Total liabilities	410.75		4,969.67	1,359.29	2,300.34
RESERVES					
For equity in H-E.P.C. systems	51,120.73	3,760.37	23,654.95	12,278.94	36,473.45
For depreciation	39,665.28	4,504.28	5,411.67	10,600.73	19,710.46
Other reserves	3,900.00	200.00	3,750.00		46.65
Total reserves	94,686.01	8,464.65	32,816.62	22,879.67	56,230.56
SURPLUS					
Debentures paid	64,200.00	6,000.00	19,713.16	7,801.25	49,360.20
Local sinking fund					
Operating surplus	10,172.04		14,687.87	18,324.75	14,255.54
Total surplus	74,372.04	6,000.00	34,401.03	26,126.00	63,615.74
Total liabilities, reserves and surplus	169,468.80	14,464.65	72,187.32	50,364.96	122,146.64
Percentage of net debt to total assets	0.3	0.0	10.2	3.6	2.7

“A”—Continued

Hydro Municipalities as at December 31, 1943

Midland 6,579	Mildmay 737	Mount Forest 1,787	Neustadt 433	Orange- ville 2,386	Owen Sound 13,591	Paisley 615
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,983.57		3,726.00		2,585.07	28,270.25	
85,315.20		686.75		1,169.00	18,093.04	1,923.46
99,806.14	6,264.62	23,224.98	10,561.42	37,230.05	122,410.64	12,451.62
30,170.86	2,142.31	7,865.96	4,035.81	11,973.62	65,962.75	2,289.25
42,027.90	3,214.79	8,875.19	2,599.45	14,934.32	68,362.63	3,430.20
19,322.71	577.24	2,397.89	496.41	7,532.55	30,899.17	1,045.51
2,033.72	906.69	1,854.91	1,495.88	6,247.21	1,242.16	631.65
	849.00	3,810.95	1,097.60	3,204.99	26,982.00	1,745.00
298,660.10	13,954.65	52,442.63	20,286.57	84,876.81	362,222.64	23,516.69
75.00	797.41	4,412.61	1,467.18	1,335.88	2,763.83	822.73
47,500.00	7,000.00	4,000.00	10,500.00	16,000.00	7,000.00	5,500.00
24,041.09		185.55	14.91	274.14	22,376.28	26.90
2,016.05		34.38		426.43	9,704.46	
279,611.29	4,222.51	39,156.42	7,388.13	53,251.83	279,634.52	13,062.84
188.76					20.14	
652,092.29	25,974.57	100,231.59	39,656.79	156,165.09	683,721.87	42,929.16
652,092.29	25,974.57	100,231.59	39,656.79	156,165.09	683,721.87	42,929.16
	6,932.19	2,935.52		127.49		
735.34			34.85		17,049.67	640.19
10,438.64						
1,418.43	18.00	355.00	138.85	88.00	7,763.64	71.04
12,592.41	6,950.19	3,290.52	173.70	215.49	24,813.31	711.23
279,611.29	4,222.51	39,156.42	7,388.13	53,251.83	279,634.52	13,062.84
216,869.75	2,968.00	26,660.13	11,376.72	36,645.32	111,617.48	7,075.85
1,351.28					316.04	
497,832.32	7,190.51	65,816.55	18,764.85	89,897.15	391,568.04	20,138.69
111,944.99	5,371.31	28,023.08	17,000.00	35,900.00	141,000.00	16,000.00
29,722.57	6,462.56	3,101.44	3,718.24	30,152.45	126,340.52	6,079.24
141,667.56	11,833.87	31,124.52	20,718.24	66,052.45	267,340.52	22,079.24
652,092.29	25,974.57	100,231.59	39,656.79	156,165.09	683,721.87	42,929.16
3.4	32.0	5.4	0.5	0.2	6.1	2.4

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Continued

Municipality.....	Penetan- guishene	Port Elgin	Port McNicol	Port Perry	Priceville
Population.....	3,843	1,329	964	1,216	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	2,288.05	111.25	369.08		68.00
Substation equipment.....	7,161.13			2,564.65	
Distribution system—overhead.....	52,452.24	27,416.21	9,830.17	20,066.24	5,476.21
Distribution system—underground.....					
Line transformers.....	22,148.27	7,458.92	1,779.20	5,291.65	1,019.56
Meters.....	16,886.35	8,187.36	3,204.50	5,009.35	562.08
Street light equipment, regular.....	3,942.13	2,270.59	696.26	1,816.38	256.88
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	1,526.88	398.53	722.54	205.01	833.90
Steam or hydraulic plant.....					
Old plant.....		4,213.00			
Total plant.....	106,405.05	50,055.86	16,601.75	34,953.28	8,216.63
Bank and cash balance.....	1,470.88	3,709.69	1,035.26	20.00	309.39
Securities and investments.....	15,000.00	8,000.00	1,500.00	7,000.00	2,000.00
Accounts receivable.....	991.60	219.60	159.73	94.99	189.80
Inventories.....	106.80				
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	74,596.98	15,222.26	7,444.69	21,058.26	1,128.18
Other assets.....				620.00	
Total assets.....	198,571.31	77,207.41	26,741.43	63,746.53	11,844.00
Deficit.....					30.84
Total.....	198,571.31	77,207.41	26,741.43	63,746.53	11,874.84
LIABILITIES					
Debenture balance.....		19,500.90		4,517.47	
Accounts payable.....	209.73	5,085.83	61.82		
Bank overdraft.....				403.24	
Other liabilities.....	823.25		223.40	620.00	
Total liabilities.....	1,032.98	24,586.73	285.22	5,540.71	
RESERVES					
For equity in H-E.P.C. systems.....	74,596.98	15,222.26	7,444.69	21,058.26	1,128.18
For depreciation.....	52,580.57	11,125.74	6,222.56	14,222.58	3,746.66
Other reserves.....	4,422.10				
Total reserves.....	131,599.65	26,348.00	13,667.25	35,280.84	4,874.84
SURPLUS					
Debentures paid.....	36,982.95	22,499.10	7,300.00	15,364.19	7,000.00
Local sinking fund.....					
Operating surplus.....	28,955.73	3,773.58	5,488.96	7,560.79	
Total surplus.....	65,938.68	26,272.68	12,788.96	22,924.98	7,000.00
Total liabilities, reserves and surplus.....	198,571.31	77,207.41	26,741.43	63,746.53	11,874.84
Percentage of net debt to total assets.....	0.8	39.7	1.5	13.0	0.0

“A”—Continued

Hydro Municipalities as at December 31, 1943

Ripley 361	Rosseau 201	Shelburne 1,044	South- hampton 1,597	Stayner 1,172	Sunderland P.V.	Tara 478
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,258.47	7,857.44	800.00 566.60 15,434.65	25.00 27,682.14	200.00 16,809.99	4,525.87	11,420.91
4,363.79	2,314.23	7,771.53	10,521.97	6,966.61	1,772.83	3,508.91
2,142.26	1,317.86	6,882.24	10,626.86	7,315.98	2,367.41	2,108.08
844.33	623.60	1,104.49	2,558.48	1,095.02	670.57	2,721.65
1,172.99	1,155.53	2,197.10	391.09	310.33	144.22	1,367.67
		739.50	2,477.00		2,030.00	
18,781.84	13,268.66	35,496.11	54,282.54	32,697.93	11,510.90	21,127.22
1,029.65	1,630.74	1,240.72	667.13	1,529.79	580.33	2,930.88
2,000.00	1,500.00	10,500.00	1,000.00	4,000.00	2,000.00	6,500.00
10.28		71.36	279.70	57.27	24.70	27.54
9,336.22	4,263.28	22,585.25	13,670.10	19,821.53	11,865.16	9,993.83
31,157.99	20,662.68	69,893.44	69,899.47	58,106.52	25,981.09	40,579.47
355.47						
31,513.46	20,662.68	69,893.44	69,899.47	58,106.52	25,981.09	40,579.47
5,055.21	8,341.92		8,111.14			
44.75			785.38	185.75	77.86	141.83
338.83		124.45	4.98	394.00	30.00	
5,438.79	8,341.92	124.45	8,901.50	579.75	107.86	141.83
9,336.22	4,263.28	22,585.25	13,670.10	19,821.53	11,865.16	9,993.83
7,821.72	3,098.23	18,412.34	10,140.13	16,631.04	6,415.02	10,871.00
	68.74			45.38	59.25	
17,157.94	7,430.25	40,997.59	23,810.23	36,497.95	18,339.43	20,864.83
8,916.73	4,658.08	19,920.00	24,888.79	9,867.59	6,800.00	15,500.00
	232.43	8,851.40	12,298.95	11,161.23	733.80	4,072.81
8,916.73	4,890.51	28,771.40	37,187.74	21,028.82	7,533.80	19,572.81
31,513.46	20,662.68	69,893.44	69,899.47	58,106.52	25,981.09	40,579.47
24.9	50.9	0.3	15.8	1.5	0.8	0.5

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Continued

Municipality.....	Teeswater	Thornton	Totten- ham	Uxbridge	Victoria Harbour
Population.....	826	P.V.	482	1,425	937
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....				40.00	
Substation equipment.....	330.31		358.50	2,657.65	
Distribution system—overhead.....	17,809.44	6,805.06	9,127.77	15,602.83	10,757.93
Distribution system—underground.....					
Line transformers.....	6,061.18	1,764.80	1,697.12	5,215.59	2,371.26
Meters.....	3,860.90	1,009.17	2,658.64	6,003.03	3,707.09
Street light equipment, regular.....	1,495.82	433.25	496.86	1,505.99	366.32
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	1,807.57	300.35	1,310.62	996.62	714.39
Steam or hydraulic plant.....					
Old plant.....	4,976.86		286.45		
Total plant.....	36,342.08	10,312.63	15,935.96	32,021.71	17,916.99
Bank and cash balance.....	686.93	981.81	289.90	2,069.82	1,791.13
Securities and investments.....	8,500.00	2,000.00	1,750.00	4,000.00	2,300.00
Accounts receivable.....	46.81	20.09	60.12	91.93	145.36
Inventories.....				47.60	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	14,545.55	3,941.41	12,574.43	22,705.39	7,633.32
Other assets.....					
Total assets.....	60,121.37	17,255.94	30,610.41	60,936.45	29,786.80
Deficit.....		931.20	3,874.65		
Total.....	60,121.37	18,187.14	34,485.06	60,936.45	29,786.80
LIABILITIES					
Debenture balance.....			2,475.59		
Accounts payable.....	2.17	359.96	25.78	117.43	51.12
Bank overdraft.....					
Other liabilities.....	70.20		241.00	415.00	
Total liabilities.....	72.37	359.96	2,742.37	532.43	51.12
RESERVES					
For equity in H-E.P.C. systems.....	14,545.55	3,941.41	12,574.43	22,705.39	7,633.32
For depreciation.....	11,991.67	6,385.77	8,676.75	10,187.44	7,670.86
Other reserves.....	1,000.00			1,186.77	
Total reserves.....	27,537.22	10,327.18	21,251.18	34,079.60	15,304.18
SURPLUS					
Debentures paid.....	28,000.00	7,500.00	10,491.51	16,207.59	6,500.00
Local sinking fund.....					
Operating surplus.....	4,511.78			10,116.83	7,931.50
Total surplus.....	32,511.78	7,500.00	10,491.51	26,324.42	14,431.50
Total liabilities, reserves and surplus.....	60,121.37	18,187.14	34,485.06	60,936.45	29,786.80
Percentage of net debt to total assets.....	0.2	2.7	15.2	1.4	0.2

"A"—Continued

Hydro Municipalities as at December 31, 1943

Walkerton 2,619	Waubau- shene P.V.	Wiar-ton 1,558	Winder- mere 118	Wingham 2,058	Woodville 415	GEORGIAN BAY DIVISION SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	361.00	.....	21,513.45	.....	142,608.84
.....	.....	333.57	.....	4,863.91	.....	205,352.02
42,170.20	9,937.02	21,927.58	9,829.60	40,799.90	3,539.72	1,314,373.01
.....	.....	.....	.....	.....	.....	68,524.66
14,956.71	2,819.84	5,867.61	3,492.70	19,925.24	2,167.24	518,403.24
13,162.81	3,325.23	7,281.70	1,235.36	16,553.13	2,203.79	514,278.55
2,771.24	303.35	2,914.96	247.26	11,276.86	521.83	164,351.39
.....
2,273.10	288.06	5,373.23	525.65	3,828.26	263.11	89,115.43
.....	.....	.....	.....	14,711.99	.....	41,693.99
4,897.60	.....	1,886.35	.....	12,320.02	2,182.50	96,313.54
.....
80,231.66	16,673.50	45,946.00	15,330.57	145,792.76	10,878.19	3,155,014.67
.....
5,388.23	17.31	4,908.97	953.44	30.00	71.28	100,016.68
8,500.00	.....	20,000.00	3,200.00	.....	5,000.00	475,151.31
577.15	0.07	475.43	26.75	1,786.12	858.93	60,690.77
1,319.27	.....	.....	.....	3,636.93	.....	30,004.13
.....
24,362.04	5,334.57	17,412.66	2,914.63	44,210.14	11,577.95	2,061,877.99
.....	.....	.....	.....	.....	332.55	13,081.73
.....
120,378.35	22,025.45	88,743.06	22,425.39	195,455.95	28,718.90	5,895,837.28
.....	.....	.....	.....	.....	.....	18,794.71
.....
120,378.35	22,025.45	88,743.06	22,425.39	195,455.95	28,718.90	5,914,631.99
.....
.....
32,673.37	.....	21,331.16	6,625.91	18,787.07	259.51	176,116.35
111.28	173.75	3,111.61	0.27	69.01	419.82	44,179.63
.....	.....	.....	.....	3,295.54	.....	14,192.32
215.50	.....	267.02	.....	696.55	12.00	30,216.24
.....
33,000.15	173.75	24,709.79	6,626.18	22,848.17	691.33	264,704.54
.....
.....
24,362.04	5,334.57	17,412.66	2,914.63	44,210.14	11,577.95	2,061,877.99
15,371.86	4,015.68	8,956.98	4,090.27	41,138.76	3,662.16	1,329,998.83
64.29	125.00	3,011.99	.....	.....	1,000.00	44,969.97
.....
39,798.19	9,475.25	29,381.63	7,004.90	85,348.90	16,240.11	3,436,846.79
.....
.....
30,326.63	3,500.00	16,068.84	5,137.39	77,318.43	5,240.49	1,388,262.74
.....
17,253.38	8,876.45	18,582.80	3,656.92	9,940.45	6,546.97	824,817.92
.....
47,580.01	12,376.45	34,651.64	8,794.31	87,258.88	11,787.46	2,213,080.66
.....
120,378.35	22,025.45	88,743.06	22,425.39	195,455.95	28,718.90	5,914,631.99
.....
34.4	1.0	34.6	34.0	15.1	4.0	6.9

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality.....	Alexandria	Apple Hill	Arnprior	Athens	Bath
Population.....	1,975	P.V.	4,027	641	293
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	202.00	169.06			
Substation equipment.....					
Distribution system—overhead.....	28,122.83	3,009.09	27,792.15	14,364.26	6,535.44
Distribution system—underground.....					
Line transformers.....	9,565.52	1,421.37	10,985.67	2,401.06	1,481.15
Meters.....	7,835.22	1,339.73	14,270.16	3,338.46	1,037.35
Street light equipment, regular.....	2,233.59	421.12	6,115.00	698.90	554.37
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	5,525.56	226.03	81.79	1,102.81	727.38
Steam or hydraulic plant.....					
Old plant.....	4,466.89	709.55			
Total plant.....	57,951.61	7,295.95	59,244.77	21,905.49	10,335.69
Bank and cash balance.....	1,780.04	327.57	1,860.80	501.64	435.42
Securities and investments.....	29,000.00	4,000.00	21,000.00	6,000.00	
Accounts receivable.....	2,281.29	142.40	427.34	237.67	42.60
Inventories.....			1,014.96		
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	34,838.29	3,864.99	7,719.60	7,526.78	2,514.64
Other assets.....					
Total assets.....	125,851.23	15,630.91	91,267.47	36,171.58	13,329.35
Deficit.....					
Total.....	125,851.23	15,630.91	91,267.47	36,171.58	13,329.35
LIABILITIES					
Debenture balance.....			22,859.29	5,002.63	4,363.17
Accounts payable.....	0.46	73.86	3,928.72	6.52	73.70
Bank overdraft.....					
Other liabilities.....	731.07		2,015.26		80.00
Total liabilities.....	731.53	73.86	28,803.27	5,009.15	4,516.87
RESERVES					
For equity in H-E.P.C. systems.....	34,838.29	3,864.99	7,719.60	7,526.78	2,514.64
For depreciation.....	25,029.07	2,978.31	5,576.16	6,427.04	2,547.67
Other reserves.....	1,858.06		10,000.00	206.06	
Total reserves.....	61,725.42	6,843.30	23,295.76	14,159.88	5,062.31
SURPLUS					
Debentures paid.....	48,133.84	6,000.00	32,609.84	8,997.37	3,136.83
Local sinking fund.....					
Operating surplus.....	15,260.44	2,713.75	6,558.60	8,005.18	613.34
Total surplus.....	63,394.28	8,713.75	39,168.44	17,002.55	3,750.17
Total liabilities, reserves and surplus.....	125,851.23	15,630.91	91,267.47	36,171.58	13,329.35
Percentage of net debt to total assets.....	0.8	0.6	34.5	17.5	41.8

"A"—Continued

Hydro Municipalities as at December 31, 1943

Belleville	Bloomfield	Bowmanville	Brighton	Brockville	Cardinal	Carleton Place
14,969	581	3,800	1,517	10,463	1,633	Place 3,865
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
43,091.00	410.00	30,424.69	600.00	45,591.03		13,390.32
89,255.84	11,075.50	894.47		39,212.30		2,471.63
135,099.13		50,100.59	17,915.22	100,854.92	14,211.70	46,847.29
45,310.59	2,125.82	12,133.53	6,731.54	52,847.57	4,132.27	14,177.32
70,959.28	3,277.85	22,010.99	8,334.63	54,267.57	3,783.93	19,409.51
23,731.10	1,040.99	8,172.97	1,305.85	27,328.79	491.85	6,691.85
11,428.90	1,403.42	3,548.23	758.44	1,083.98	605.49	3,492.36
					3,474.80	5,289.19
418,875.84	19,333.58	127,285.47	35,645.68	321,186.16	26,700.04	111,769.47
13,106.33	1,592.28	11,633.32	2,110.57	12,779.85	577.39	4,305.17
35,000.00	7,100.00	40,000.00	12,000.00	104,000.00	4,500.00	37,500.00
13,316.95	108.04	1,606.35	1,684.93	2,032.26	152.42	1,958.38
10,827.02		5,987.32	5,132.76	4,537.89		1,983.90
207,564.84	7,428.67	75,037.32	13,734.01	201,212.55	7,014.95	91,977.57
			1.22	192.21		
698,690.98	35,562.57	261,549.78	70,309.17	645,940.92	38,944.80	249,494.49
698,690.98	35,562.57	261,549.78	70,309.17	645,940.92	38,944.80	249,494.49
	2,448.20		6,811.63		6,364.71	12,240.96
		450.24	50.27	4,172.36	155.26	2,918.77
11,627.08	126.00	1,761.57	521.82	1,777.40	5.00	1,650.40
11,627.08	2,574.20	2,211.81	7,383.72	5,949.76	6,524.97	16,810.13
207,564.84	7,428.67	75,037.32	13,734.01	201,212.55	7,014.95	91,977.57
70,594.81	8,040.16	19,450.36	6,564.82	97,350.50	3,345.08	24,549.43
17,911.85		5,500.00	4,212.53	14,144.40	51.52	882.62
296,071.50	15,468.83	99,987.68	24,511.36	312,707.45	10,411.55	117,409.62
176,000.00	8,751.80	71,000.00	18,188.37	226,657.54	8,635.29	53,759.04
214,992.40	8,767.74	88,350.29	20,225.72	100,626.17	13,372.99	61,515.70
390,992.40	17,519.54	159,350.29	38,414.09	327,283.71	22,008.28	115,274.74
698,690.98	35,562.57	261,549.78	70,309.17	645,940.92	38,944.80	249,494.49
2.4	9.1	1.2	13.0	1.3	20.4	10.6

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality	Chester- ville 1,071	Cobden 595	Cobourg 5,560	Colborne 916	Deseronto 1,052
Population					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	335.00		31,397.70		597.41
Substation equipment			1,668.35		161.18
Distribution system—overhead	10,641.61	4,820.48	83,245.50	11,211.81	11,007.51
Distribution system—underground					
Line transformers	4,298.04	1,383.48	26,700.40	1,397.11	2,403.21
Meters	5,246.46	1,492.54	31,968.99	3,279.13	5,287.79
Street light equipment, regular	593.64	444.46	14,037.14	1,479.27	432.60
Street light equipment, ornamental					
Miscellaneous construction expense	748.46	45.86	3,244.93	2,371.68	205.87
Steam or hydraulic plant					
Old plant		2,853.85			
Total plant	21,863.21	11,040.67	192,263.01	19,739.00	20,095.57
Bank and cash balance	1,668.32	476.37	15,381.08	1,741.30	2,509.71
Securities and investments	12,000.00	3,500.00	20,000.00	5,000.00	
Accounts receivable	553.40	36.55	3,613.71	213.46	1,534.97
Inventories	569.53		3,504.30	1,465.08	680.41
Sinking fund on local debentures					
Equity in H-E.P.C. systems	30,760.42	1,914.26	58,265.37	5,220.30	8,599.57
Other assets	1.88		15.40	360.73	
Total assets	67,416.76	16,967.85	293,042.87	33,739.87	33,420.23
Deficit					
Total	67,416.76	16,967.85	293,042.87	33,739.87	33,420.23
LIABILITIES					
Debenture balance		2,841.36	57,328.75	7,227.65	
Accounts payable		170.56		9.00	127.83
Bank overdraft					
Other liabilities	109.00	157.50	4,917.86	244.00	412.15
Total liabilities	109.00	3,169.42	62,246.61	7,480.65	539.98
RESERVES					
For equity in H-E.P.C. systems	30,760.42	1,914.26	58,265.37	5,220.30	8,599.57
For depreciation	8,690.13	906.66	40,769.10	3,729.59	4,302.22
Other reserves			1,500.00		
Total reserves	39,450.55	2,820.92	100,534.47	8,949.89	12,901.79
SURPLUS					
Debentures paid	6,500.00	4,961.91	48,664.75	4,966.94	15,000.00
Local sinking fund					
Operating surplus	21,357.21	6,015.60	81,597.04	12,342.39	4,978.46
Total surplus	27,857.21	10,977.51	130,261.79	17,309.33	19,978.46
Total liabilities, reserves and surplus	67,416.76	16,967.85	293,042.87	33,739.87	33,420.23
Percentage of net debt to total assets	0.3	21.5	26.5	26.2	2.2

"A"—Continued

Hydro Municipalities as at December 31, 1943

Finch 393	Hastings 719	Havelock 907	Iroquois 1,037	Kemptville 1,140	Kingston 30,569	Lakefield 1,314
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,152.67	17,263.73	572.90 20,064.33	100.00 7,131.99	4,520.39 20,973.43	258,312.72 279,906.21 239,597.12	3,137.97 25,062.16
2,486.47	3,530.56	2,961.87	3,397.83	6,702.41	195,460.34 97,245.26	6,992.86
2,151.30	3,838.79	5,914.66	4,402.89	8,004.99	142,358.42	7,511.48
504.07	1,283.74	1,883.33	565.84	1,090.07	79,464.75	1,896.05
41.96	695.80	4,292.87	413.94	5,647.36	44,098.61 17,665.40	3,765.30
	1,733.13	2,420.45	575.00			3,445.25
13,336.47	28,345.75	38,110.41	16,587.49	46,938.65	1,354,108.83	51,811.07
475.60	218.22	1,026.46	666.56	1,395.13	1,543.18	2,445.18
3,500.00	7,000.00	20,000.00	3,500.00	24,000.00	376,175.00	11,000.00
468.37	70.88	69.33	471.79	1,639.76	39,347.54	123.08
			104.27	1,157.12	18,874.88	
5,233.11	4,510.65	14,052.04	1,293.90 9.44	24,053.22	115,352.93 16.27	15,444.07
23,013.55	40,145.50	73,258.24	22,633.45	99,183.88	1,905,418.63	80,823.40
23,013.55	40,145.50	73,258.24	22,633.45	99,183.88	1,905,418.63	80,823.40
2,124.71	11,131.51			10,138.88	16,271.00	14,069.76
1,017.49		0.31	763.12	131.07	72,038.20	
60.00	278.31		183.31	173.89	20,575.96 18,697.32	655.21
3,202.20	11,409.82	0.31	946.43	10,443.84	127,582.48	14,724.97
5,233.11	4,510.65	14,052.04	1,293.90	24,053.22	115,352.93	15,444.07
2,889.40	6,278.94	14,999.60	3,659.03	15,615.92	368,651.67	17,414.50
10.59			2,000.00		281,073.04	
8,133.10	10,789.59	29,051.64	6,952.93	39,669.14	765,077.64	32,858.57
4,875.29	9,868.49	32,900.00		14,861.12	295,629.00	19,430.24
6,802.96	8,077.60	11,306.29	14,734.09	34,209.78	717,129.51	13,809.62
11,678.25	17,946.09	44,206.29	14,734.09	49,070.90	1,012,758.51	33,239.86
23,013.55	40,145.50	73,258.24	22,633.45	99,183.88	1,905,418.63	80,823.40
18.0	32.0	0.0	4.4	13.9	7.1	22.5

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality.....	Lanark	Lancaster	Lindsay	Madoc	Marmora
Population.....	692	573	7,783	1,106	930
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			10,777.68	100.00	
Substation equipment.....			3,176.56		
Distribution system—overhead.....	6,941.61	8,789.65	104,367.23	11,909.84	13,986.74
Distribution system—underground.....					
Line transformers.....	1,953.69	1,922.25	30,272.39	3,496.56	3,808.11
Meters.....	2,351.23	1,943.35	35,747.36	5,495.50	4,042.21
Street light equipment, regular.....	747.54	650.65	10,504.73	1,577.14	1,193.23
Street light equipment, ornamental.....					
Miscellaneous construction expense.....		1,068.55	2,144.96	51.79	2,380.78
Steam or hydraulic plant.....					
Old plant.....					573.62
Total plant.....	11,994.07	14,374.45	196,990.91	22,630.83	25,984.69
Bank and cash balance.....	1,108.87	1,180.74	3,240.20	2,918.54	2,490.11
Securities and investments.....	7,500.00	500.00	60,417.22	8,000.00	5,000.00
Accounts receivable.....	23.87	57.53	213.68	151.41	84.54
Inventories.....			220.09		112.70
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	7,227.32	7,059.21	116,528.66	9,465.10	6,720.26
Other assets.....					
Total assets.....	27,854.13	23,171.93	377,610.76	43,165.88	40,392.30
Deficit.....					
Total.....	27,854.13	23,171.93	377,610.76	43,165.88	40,392.30
LIABILITIES					
Debenture balance.....			45,163.13		
Accounts payable.....	47.20	71.25		1.49	
Bank overdraft.....					
Other liabilities.....	105.00	188.36	3,378.65	470.41	250.00
Total liabilities.....	152.20	259.61	48,541.78	471.90	250.00
RESERVES					
For equity in H-E.P.C. systems.....	7,227.32	7,059.21	116,528.66	9,465.10	6,720.26
For depreciation.....	4,999.69	2,987.68	56,465.54	2,354.40	6,673.33
Other reserves.....					
Total reserves.....	12,227.01	10,046.89	172,994.20	11,819.50	13,393.59
SURPLUS					
Debentures paid.....	7,316.57	9,970.42	84,836.87	14,000.00	17,666.11
Local sinking fund.....					
Operating surplus.....	8,158.35	2,895.01	71,237.91	16,874.48	9,082.60
Total surplus.....	15,474.92	12,865.43	156,074.78	30,874.48	26,748.71
Total liabilities, reserves and surplus.....	27,854.13	23,171.93	377,610.76	43,165.88	40,392.30
Percentage of net debt to total assets.....	0.7	1.7	18.6	1.4	0.8

"A"—Continued

Hydro Municipalities as at December 31, 1943

Martintown P.V.	Maxville 802	Millbrook 734	Morrisburg 1,528	Napanee 3,269	Newcastle 767	Norwood 694
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
126.15			5,000.00	16,354.36	107.37	
	407.79		4,457.21	2,358.27		457.53
2,840.45	12,008.56	6,168.22	11,731.63	47,877.27	14,925.39	24,010.84
759.39	2,391.79	758.45	5,541.80	11,717.88	4,095.74	4,035.13
1,099.07	3,038.06	1,908.76	7,348.47	18,860.45	3,940.42	5,403.33
354.94	1,950.24	595.65	795.00	4,719.85	876.40	1,886.92
690.21	2,434.21	79.92	279.76	4,390.45	520.00	3,615.22
			27,733.82			2,447.51
5,870.21	22,230.65	9,511.00	62,887.69	106,278.53	24,465.32	41,856.48
845.10	455.92	3,629.09	881.53	1,948.74	674.27	3,003.72
2,500.00	7,000.00	1,000.00	7,500.00		6,000.00	17,500.00
181.81	187.91	29.18	1,555.42	7,018.51	212.38	844.52
				7,061.10		
2,434.35	11,083.06	969.59	2,238.75	49,727.82	2,590.79	7,069.70
			278.84	22.24		
11,831.47	40,957.54	15,138.86	75,342.23	172,056.94	33,942.76	70,274.42
11,831.47	40,957.54	15,138.86	75,342.23	172,056.94	33,942.76	70,274.42
		3,712.22	12,749.74			13,433.73
			2,316.63		16.08	787.14
5.00	157.00	223.14	1,109.74	993.64		510.96
5.00	157.00	3,935.36	16,176.11	993.64	16.08	14,731.83
2,434.35	11,083.06	969.59	2,238.75	49,727.82	2,590.79	7,069.70
2,540.03	7,466.26	858.67	1,939.10	17,186.65	11,161.33	18,633.84
81.02	370.26		31,296.54	2,500.00		
5,055.40	18,919.58	1,828.26	35,474.39	69,414.47	13,752.12	25,703.54
6,000.00	16,000.00	5,287.78	21,823.54	70,000.00	14,000.00	23,666.27
771.07	5,880.96	4,087.46	1,868.19	31,648.83	6,174.56	6,172.78
6,771.07	21,880.96	9,375.24	23,691.73	101,648.83	20,174.56	29,839.05
11,831.47	40,957.54	15,138.86	75,342.23	172,056.94	33,942.76	70,274.42
0.1	0.5	27.8	22.1	0.8	0.0	23.3

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality.....	Omeme	Orono	Oshawa	Ottawa	Perth
Population.....	464	P.V.	26,843	158,581	4,154
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			64,438.55	486,747.90	5,109.34
Substation equipment.....	360.32		8,986.82	875,384.38	6,961.44
Distribution system—overhead.....	14,018.53	5,440.31	280,756.25	921,813.34	50,130.80
Distribution system—underground.....				322,668.52	
Line transformers.....	7,024.64	1,126.77	77,278.90	406,568.80	26,660.86
Meters.....	3,766.55	1,903.86	131,069.76	313,955.89	25,203.85
Street light equipment, regular.....	805.48	602.99	18,733.56	124,662.85	4,738.61
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	1,646.00	295.97	43,793.30	44,347.57	6,109.51
Steam or hydraulic plant.....					
Old plant.....			6,431.65		23,354.70
Total plant.....	27,621.52	9,369.90	631,488.79	3,496,149.25	148,269.11
Bank and cash balance.....	639.99	1,803.13	28,776.72	401,534.54	4,696.70
Securities and investments.....	6,000.00	3,500.00	75,000.00	690,000.00	86,500.00
Accounts receivable.....	4.82	10.26	64,232.65	88,016.13	2,333.60
Inventories.....			19,460.66	47,140.38	12,323.11
Sinking fund on local debentures.....				251,295.86	
Equity in H-E.P.C. systems.....	1,357.98	1,076.36	636,203.02	234,831.68	81,054.51
Other assets.....			12.13		
Total assets.....	35,624.31	15,759.65	1,455,173.97	5,208,967.84	335,177.03
Deficit.....					
Total.....	35,624.31	15,759.65	1,455,173.97	5,208,967.84	335,177.03
LIABILITIES					
Debenture balance.....		2,794.17	54,000.00	183,937.57	30,110.53
Accounts payable.....	500.00	252.53	51,861.87	63,406.74	16.00
Bank overdraft.....					
Other liabilities.....	186.32		26,833.42		3,026.73
Total liabilities.....	686.32	3,046.70	132,695.29	247,344.31	33,153.26
RESERVES					
For equity in H-E.P.C. systems.....	1,357.98	1,076.36	636,203.02	234,831.68	81,054.51
For depreciation.....	12,993.74	697.00	120,201.33	1,698,225.34	72,919.47
Other reserves.....		1,781.30	79,196.23	488,352.22	2,826.63
Total reserves.....	14,351.72	3,554.66	835,600.58	2,421,409.24	156,800.61
SURPLUS					
Debentures paid.....	12,000.00	5,205.83	256,000.00	796,062.43	78,289.47
Local sinking fund.....				251,295.86	
Operating surplus.....	8,586.27	3,952.46	230,878.10	1,492,856.00	66,933.69
Total surplus.....	20,586.27	9,158.29	486,878.10	2,540,214.29	145,223.16
Total liabilities, reserves and surplus.....	35,624.31	15,759.65	1,455,173.97	5,208,967.84	335,177.03
Percentage of net debt to total assets.....	2.0	20.7	16.2	1.3	13.0

"A"—Continued

Hydro Municipalities as at December 31, 1943

Peter- borough 27,776	Picton 3,383	Port Hope 4,910	Prescott 3,283	Richmond 437	Russell P.V.	Smiths Falls 7,468
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
80,537.86	10,906.48	11,691.21	2,761.54			9,746.57
124,548.59	2,004.66	3,100.00				4,765.59
333,931.72	42,311.92	56,782.05	42,465.32	6,712.25	8,215.46	95,466.51
137,699.42	14,420.62	20,366.68	18,251.59	1,445.78	1,790.50	39,462.90
127,028.27	20,775.10	28,010.66	21,071.88	1,497.63	1,903.03	39,078.58
61,337.81	10,557.74	3,601.25	2,302.03	194.48	589.70	9,539.26
6,371.25	4,353.03	5,233.81	1,373.64	612.67	1,227.09	2,596.71
871,454.92	105,329.55	128,785.66	88,226.00	10,462.81	13,725.78	200,656.12
13,046.60	5,395.95	1,200.85	1,030.74	1,356.91	1,350.83	8,574.04
135,000.00	29,500.00	15,000.00	3,300.00		5,500.00	100,000.00
27,476.98	3,058.18	152.32	1,293.44	84.51	152.52	1,194.25
19,833.01	6,939.09	2,438.47	775.02			115.35
165,877.42						
373,576.39	62,922.52	69,740.60	57,014.87	3,567.73	6,510.50	117,662.10
1,606,265.32	213,145.29	217,317.90	151,640.07	15,471.96	27,239.63	428,201.86
1,606,265.32	213,145.29	217,317.90	151,640.07	15,471.96	27,239.63	428,201.86
239,920.00				2,387.33	1,545.00	
28,876.21	0.09		368.78	26.25	76.98	476.06
440.00	4,115.76	6,177.83	455.40	88.87	25.00	261.30
269,236.21	4,115.85	6,177.83	824.18	2,502.45	1,646.98	737.36
373,576.39	62,922.52	69,740.60	57,014.87	3,567.73	6,510.50	117,662.10
202,987.38	24,453.06	29,104.11	55,453.06	2,775.64	3,891.39	103,380.38
1,211.32	8,468.91					5,610.73
577,775.09	95,844.49	98,844.71	112,467.93	6,343.37	10,401.89	226,653.21
260,690.67	5,730.32	79,000.00	12,170.99	4,112.67	8,455.00	122,787.33
165,877.42						
332,685.93	107,454.63	33,295.36	26,176.97	2,513.47	6,735.76	78,023.96
759,254.02	113,184.95	112,295.36	38,347.96	6,626.14	15,190.76	200,811.29
1,606,265.32	213,145.29	217,317.90	151,640.07	15,471.96	27,239.63	428,201.86
9.7	0.3	4.2	0.9	21.2	7.9	0.2

STATEMENT

Balance Sheets of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality	Stirling	Trenton	Tweed	Warkworth	Wellington
Population	939	9,387	1,250	P.V.	1,076
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	8,522.88	5,139.41			200.00
Substation equipment	7,994.52	41,633.02			499.80
Distribution system—overhead	7,057.31	119,311.27	15,644.94	5,697.62	15,360.83
Distribution system—underground					
Line transformers	4,854.60	26,984.61	4,514.37	850.80	4,830.20
Meters	5,392.50	39,856.22	5,947.89	2,148.59	6,163.74
Street light equipment, regular	3,203.33	18,863.91	2,292.51	338.08	1,349.61
Street light equipment, ornamental					
Miscellaneous construction expense	583.09	8,494.87		609.19	846.20
Steam or hydraulic plant					
Old plant				3,618.02	2,477.92
Total plant	37,608.23	260,283.31	28,399.71	13,262.30	31,728.30
Bank and cash balance	8,957.11	8,550.64	1,543.53	919.72	10.00
Securities and investments	8,004.73	42,500.00	8,500.00	3,700.00	11,000.00
Accounts receivable	578.17	469.25	535.40	58.31	37.96
Inventories	716.52	4,420.37	705.12		
Sinking fund on local debentures					
Equity in H-E.P.C. systems	10,365.59	98,101.40	11,691.26	4,592.84	11,818.24
Other assets	7.75	10.59			
Total assets	66,238.10	414,335.56	51,375.02	22,533.17	54,594.50
Deficit					
Total	66,238.10	414,335.56	51,375.02	22,533.17	54,594.50
LIABILITIES					
Debenture balance		8,656.12	1,797.27	6,302.69	3,182.20
Accounts payable		298.20	442.16		164.39
Bank overdraft					230.00
Other liabilities	382.73	6,768.80	302.00	24.00	41.25
* Total liabilities	382.73	15,723.12	2,541.43	6,326.69	3,617.84
RESERVES					
For equity in H-E.P.C. systems	10,365.59	98,101.40	11,691.26	4,592.84	11,818.24
For depreciation	9,111.52	56,331.79	4,571.92	3,680.52	12,972.29
Other reserves		15,500.00	1,941.36		
Total reserves	19,477.11	169,933.19	18,204.54	8,273.36	24,790.53
SURPLUS					
Debentures paid	10,000.00	156,343.88	17,202.73	4,697.31	13,817.80
Local sinking fund					
Operating surplus	36,378.26	72,335.37	13,426.32	3,235.81	12,368.33
Total surplus	46,378.26	228,679.25	30,629.05	7,933.12	26,186.13
Total liabilities, reserves and surplus	66,238.10	414,335.56	51,375.02	22,533.17	54,594.50
Percentage of net debt to total assets	0.7	5.0	6.4	35.3	8.5

"A"—Continued

Hydro Municipalities as at December 31, 1943

Westport 636	Whitby 4,531	Williamsburg P.V.	Winchester 1,029	EASTERN ONTARIO DIVISION SUMMARY	SOUTHERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	6,619.20	.....	299.85	1,156,955.64	10,977,734.56
.....	34,288.16	.....	.....	1,536,037.54	24,725,591.22
7,349.21	62,151.22	3,431.14	10,461.21	3,285,167.10	24,455,418.12
.....	.....	.....	.....	518,128.86	6,451,393.47
1,185.33	15,640.86	1,978.92	4,823.59	1,211,326.83	11,975,808.19
1,794.62	22,134.35	2,391.10	5,991.72	1,329,586.12	10,674,995.25
706.11	12,487.53	174.61	719.87	486,114.95	2,624,956.81
.....	.....	.....	.....	.....	1,542,294.82
1,348.73	6,507.74	70.78	315.52	249,949.55	3,646,998.51
.....	.....	.....	.....	17,665.40	72,573.27
1,713.00	1,340.13	.....	1,100.00	95,758.48	936,561.90
14,097.00	161,169.19	8,046.55	23,711.76	9,886,690.47	98,084,326.12
108.18	4,343.13	668.13	2,311.81	599,753.57	2,236,197.90
6,100.00	23,000.00	23,000.00	10,500.00	2,194,296.95	15,954,343.63
13.25	774.57	198.39	141.41	273,511.60	3,236,760.29
142.04	487.66	.....	.....	178,730.13	1,667,105.20
.....	.....	.....	.....	417,173.28	4,916,489.20
5,948.43	60,261.15	7,258.26	22,627.88	3,046,431.97	58,707,266.74
.....	.....	.....	.....	928.70	369,616.00
26,408.90	250,035.70	39,171.33	59,292.86	16,597,516.67	185,172,105.08
.....	.....	.....	.....	.....	20,442.81
26,408.90	250,035.70	39,171.33	59,292.86	16,597,516.67	185,192,547.89
7,951.08	8,402.01	.....	729.86	807,998.86	13,154,043.74
.....	376.87	.....	.....	236,470.66	2,591,460.83
.....	.....	.....	.....	20,805.96	118,834.40
200.00	1,641.37	283.34	10.00	104,840.17	2,516,888.94
8,151.08	10,420.25	283.34	739.86	1,170,115.65	18,381,227.91
5,948.43	60,261.15	7,258.26	22,627.88	3,046,431.97	58,707,266.74
2,576.99	33,104.22	4,001.84	11,464.78	3,358,524.46	30,901,181.65
.....	.....	327.28	.....	978,814.47	5,047,161.54
8,525.42	93,365.37	11,587.38	34,092.66	7,383,770.90	94,655,609.93
7,048.92	68,210.49	2,750.00	9,920.14	3,340,591.20	42,302,432.35
.....	.....	.....	.....	417,173.28	4,916,489.20
2,683.48	78,039.59	24,550.61	14,540.20	4,285,865.64	24,936,788.50
9,732.40	146,250.08	27,300.61	24,460.34	8,043,630.12	72,155,710.05
26,408.90	250,035.70	39,171.33	59,292.86	16,597,516.67	185,192,547.89
39.8	5.5	0.9	2.0	5.7	9.9

STATEMENT

Balance Sheets of Electrical Departments of

THUNDER BAY SYSTEM
NORTHERN ONTARIO DISTRICTS

Municipality.....	Fort William 29,061	Nipigon Twp.	Port Arthur 24,424	THUNDER BAY SYSTEM SUMMARY
Population.....				
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	86,921.28	215.03	466,837.65	553,973.96
Substation equipment.....	154,194.99		311,619.97	465,814.96
Distribution system—overhead.....	263,886.81	18,492.42	515,639.12	771,018.35
Distribution system—underground.....				
Line transformers.....	98,458.41	5,223.01	114,932.62	218,614.04
Meters.....	93,170.90	4,450.78	117,132.76	214,754.44
Street light equipment, regular.....	48,209.28	2,436.86	82,696.53	133,342.67
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	20,806.87	177.88	35,234.79	56,219.54
Steam or hydraulic plant.....			325,003.44	325,003.44
Old plant.....				
Total plant.....	738,648.54	30,995.98	1,969,096.88	2,738,741.40
Bank and cash balance.....	11,111.72	653.08	53,566.05	65,330.85
Securities and investments.....	124,450.00	6,000.00	753,763.66	884,213.66
Accounts receivable.....	33,546.44	40.03	45,110.09	78,696.56
Inventories.....	22,620.97		23,727.19	46,348.16
Sinking fund on local debentures.....	112,062.36			112,062.36
Equity in H-E.P.C. systems.....	822,705.14	7,422.93	2,494,278.32	3,324,406.39
Other assets.....	1,801.78		425.00	2,226.78
Total assets.....	1,866,946.95	45,112.02	5,339,967.19	7,252,026.16
Deficit.....				
Total.....	1,866,946.95	45,112.02	5,339,967.19	7,252,026.16
LIABILITIES				
Debt balance.....	250,000.00	822.48		250,822.48
Accounts payable.....	33,891.21	114.79	43,231.08	77,237.08
Bank overdraft.....				
Other liabilities.....	32,197.04			32,197.04
Total liabilities.....	316,088.25	937.27	43,231.08	360,256.60
RESERVES				
For equity in H-E.P.C. systems.....	822,705.14	7,422.93	2,494,278.32	3,324,406.39
For depreciation.....	176,259.90	5,347.98	704,633.61	886,241.49
Other reserves.....	61,254.36	1,500.00	137,981.17	200,735.53
Total reserves.....	1,060,219.40	14,270.91	3,336,893.10	4,411,383.41
SURPLUS				
Debentures paid.....	124,209.11	9,177.52	642,100.00	775,486.63
Local sinking fund.....	112,062.36			112,062.36
Operating surplus.....	254,367.83	20,726.32	1,317,743.01	1,592,837.16
Total surplus.....	490,639.30	29,903.84	1,959,843.01	2,480,386.15
Total liabilities, reserves and surplus.....	1,866,946.95	45,112.02	5,339,967.19	7,252,026.16
Percentage of net debt to total assets.....	21.8	2.5	1.5	6.5

"A"—Concluded

Hydro Municipalities as at December 31, 1943

Capreol 1,663	North Bay 15,933	Sioux Lookout 1,734	Sudbury 34,020	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
450.00	59,601.84		73,127.45	133,179.29	11,664,887.81
9,730.32	71,129.06		119,937.40	200,796.78	25,392,202.96
13,603.79	147,644.19	9,315.38	376,224.39	546,787.75	25,773,224.22
					6,451,393.47
5,504.62	40,480.81	3,861.53	109,097.98	158,944.94	12,353,367.17
5,359.32	80,698.60	5,983.00	135,821.54	227,862.46	11,117,612.15
1,126.26	28,562.20	1,794.15	113,922.02	145,404.63	2,903,704.11
					1,542,294.82
884.86	18,339.06	828.80	16,756.31	36,809.03	3,740,027.08
					397,576.71
					936,561.90
36,659.17	446,455.76	21,782.86	944,887.09	1,449,784.88	102,272,852.40
254.48	6,470.94	1,930.66	31,811.85	40,467.93	2,341,996.68
8,000.00	83,000.00		107,500.00	198,500.00	17,037,057.29
522.88	7,443.36	329.73	23,696.90	31,992.87	3,347,449.72
	8,926.38		28,419.68	37,346.06	1,750,799.42
					5,028,551.56
460.00	30,722.23	4.90	134,336.89	165,524.02	62,031,673.13
					537,366.80
45,896.53	583,018.67	24,048.15	1,270,652.41	1,923,615.76	194,347,747.00
					20,442.81
45,896.53	583,018.67	24,048.15	1,270,652.41	1,923,615.76	194,368,189.81
	163,500.00		88,666.29	252,166.29	13,657,032.51
84.41	92.68	136.48	30,619.29	30,932.86	2,699,630.77
					118,834.40
460.00	28,393.81	2,439.12	38,364.03	69,656.96	2,618,742.94
544.41	191,986.49	2,575.60	157,649.61	352,756.11	19,094,240.62
6,406.84	225,921.18	1,736.57	116,981.91	351,046.50	62,031,673.13
102.78	41,959.52	140.83	159,298.76	201,501.89	32,138,469.64
					5,449,398.96
6,509.62	267,880.70	1,877.40	276,280.67	552,548.39	99,619,541.73
19,000.00	76,500.00		378,672.24	474,172.24	43,552,091.22
19,842.50	46,651.48	19,595.15	458,049.89	544,139.02	5,028,551.56
					27,073,764.68
38,842.50	123,151.48	19,595.15	836,722.13	1,018,311.26	75,654,407.46
45,896.53	583,018.67	24,048.15	1,270,652.41	1,923,615.76	194,368,189.81
1.2	32.9	10.7	12.4	18.3	10.0

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION

Municipality	Acton	Agincourt	Ailsa Craig 446	Alvinston	Amherst- burg 2,709
Population	1,927	P.V.		648	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service	13,706.71	6,098.52	2,757.71	3,617.99	24,324.04
Commercial light service	4,824.73	1,108.49	1,031.24	1,775.34	8,630.61
Commercial power service	31,751.57	1,218.60	1,536.82	677.69	9,730.26
Municipal power	743.48			294.22	
Street lighting	1,722.63	749.28	623.76	1,496.35	1,944.49
Merchandise	105.72				90.15
Miscellaneous	442.18	420.79	329.08	254.65	680.27
Total earnings	53,297.02	9,595.68	6,278.51	8,116.24	45,399.82
EXPENSES					
Cost of power supplied by H-E.P.C. ..	41,026.65	5,427.88	4,125.65	3,850.80	24,091.95
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	3,014.65	183.23	64.74	259.24	1,082.91
Line transformer maintenance	426.99	351.22			45.12
Meter maintenance	173.05	409.62	8.40		369.76
Consumers' premises expenses	214.52	22.00			1,121.27
Street lighting, operation and main- tenance	324.94	25.97	60.18	135.46	349.52
Promotion of business					17.70
Billing and collecting	1,147.55	612.18	331.93	365.31	1,030.84
General office, salaries and expenses ..	459.82	103.60	86.00	275.67	674.43
Undistributed expenses	167.47		17.72	29.76	51.71
Truck operation and maintenance ..	157.72				205.97
Interest					547.36
Sinking fund and principal payments on debentures					2,229.06
Depreciation	1,704.00	537.00	587.00	893.00	2,769.00
Other reserves	2,200.00				5,400.00
Total operating costs and fixed charges	51,017.36	7,672.70	5,281.62	5,809.24	39,986.60
Net surplus	2,279.66	1,922.98	996.99	2,307.00	5,413.22
Net loss					
NUMBER OF CONSUMERS					
Domestic service	551	169	148	191	750
Commercial light service	86	26	32	50	138
Power service	18	3	4	3	16
Total	655	198	184	244	904

“B”

Hydro Municipalities for Year Ended December 31, 1943

Ancaster Twp.	Arkona 368	*Aurora 2,914	Aylmer 2,474	Ayr 693	Baden P.V.	Beachville P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
13,602.63	3,261.99	14,895.79	15,127.22	6,106.45	3,923.44	3,898.55
3,076.84	1,472.16	3,614.46	9,141.91	1,988.12	1,967.25	630.25
841.09	373.69	10,366.21	7,943.98	475.10	8,957.07	19,552.68
268.49			1,142.21			
941.00	1,040.83		2,419.19	1,088.80	738.00	445.18
30.00	30.00	2,234.24	794.82	75.00	115.39	361.50
18,760.05	6,178.67	31,110.70	36,569.33	9,733.47	15,701.15	24,888.16
9,277.11	2,494.57	27,198.77	23,468.98	5,699.01	12,788.31	19,804.75
1,528.27	130.93	1,317.24	1,426.48	498.71	96.44	522.17
67.89		50.50	130.29		24.79	103.44
259.95	17.45	578.27	145.76	19.93	187.04	116.84
402.94	8.00		747.18	3.85	126.58	10.50
317.88	54.00	177.15	443.73	92.66	77.43	88.06
1,410.39	245.35	842.21	1,181.94	457.65	265.93	341.47
869.29	72.50	151.80	1,063.40	116.87	210.42	153.65
80.65	11.50		227.42		18.07	5.49
415.30	169.29	317.90	214.07			
		15.50	407.51	144.86	1.03	9.45
821.38	962.04		1,189.73	570.55		120.61
1,335.00	447.00		2,269.00	839.00	591.00	872.00
			1,800.00			
16,786.05	4,612.63	30,649.35	34,715.49	8,443.09	14,387.04	22,148.43
1,974.00	1,566.04	461.35	1,853.84	1,290.38	1,314.11	2,739.73
383	113		774	224	162	170
43	32		144	44	32	18
9	2		14	4	3	4
435	147		932	272	197	192

*Nine months' operation

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Beams- ville 1,295	Belle River 765	Blenheim 1,765	Blyth 632	Bolton 591
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	11,908.35	5,922.72	9,499.44	3,599.13	4,730.27
Commercial light service.....	4,958.00	2,809.49	7,227.83	2,105.05	1,966.44
Commercial power service.....	2,160.61	101.67	5,304.02	977.76	2,503.84
Municipal power.....		1,253.17	1,697.55		129.13
Street lighting.....	1,942.32	874.00	2,365.04	1,382.60	981.36
Merchandise.....				9.12	
Miscellaneous.....	298.38	220.35	872.60	195.00	305.00
Total earnings.....	21,267.66	11,181.40	26,966.48	8,268.66	10,616.04
EXPENSES					
Cost of power supplied by H-E.P.C..	9,701.59	5,450.66	14,787.60	4,250.85	6,221.08
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	396.11	1,129.46	1,345.54	500.94	467.26
Line transformer maintenance.....		44.54	193.43		
Meter maintenance.....	2.66	204.97	516.31	171.81	
Consumers' premises expenses.....	38.77	14.00	131.66		146.99
Street lighting, operation and main- tenance.....	125.69	176.85	491.45	120.22	72.25
Promotion of business.....			72.44		
Billing and collecting.....	731.56	894.75	1,983.08	339.00	
General office, salaries and expenses..	424.31	516.19	1,489.15	135.33	627.56
Undistributed expenses.....	6.16	12.74	72.85	47.65	23.65
Truck operation and maintenance.....					
Interest.....	241.28		246.02		57.46
Sinking fund and principal payments on debentures.....	1,532.16		853.96		560.61
Depreciation.....	1,008.00	1,091.00	2,464.00	658.00	728.00
Other reserves.....			1,200.00		
Total operating costs and fixed charges.....	14,208.29	9,535.16	25,847.49	6,223.80	8,904.86
Net surplus.....	7,059.37	1,646.24	1,118.99	2,044.86	1,711.18
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	391	286	558	179	186
Commercial light service.....	72	44	138	45	46
Power service.....	5	2	17	4	10
Total.....	468	332	713	228	242

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Bothwell 605	Brampton 6,146	Brantford 32,778	Brantford Twp. V.A.	Bridgeport P.V.	Brigden P.V.	Brussels 776
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,590.07	47,110.17	190,825.67	31,779.24	5,494.66	2,382.95	4,737.59
1,872.98	18,560.39	79,095.85	4,469.64	1,967.15	1,813.26	3,079.40
791.17	20,960.09	344,478.72	6,491.15	227.12	871.71	1,096.88
141.75	2,620.29	9,219.88				
1,101.71	6,142.52	28,248.44	3,770.52	876.00	794.88	1,187.25
	39.30					
555.40	537.82	8,280.48	17.56		54.95	361.24
7,053.08	95,970.58	660,149.04	46,528.11	8,564.93	5,917.75	10,462.36
3,789.93	60,538.15	498,293.46	27,898.20	3,979.18	3,147.86	4,932.66
		8,552.94				
	572.50	3,249.12				
249.12	1,797.07	8,366.61	2,025.87	40.79	249.63	534.23
	198.46	687.89	645.57	40.85		
23.97	1,425.03	6,593.52	487.86	63.05		169.75
	1,689.94	4,496.77	29.64	17.33		
158.73	1,037.58	4,104.79	934.38	100.43	85.06	155.92
12.50						
270.18	2,757.83	9,076.17	1,999.16	513.32	371.96	
203.16	2,022.07	11,303.95	2,135.88	12.65	171.56	720.78
1.82	173.19	6,498.79	377.06	7.29	10.19	23.50
	594.22	1,867.41	852.32			
58.26		1,400.00		137.62		91.87
304.99		6,250.00		943.08		1,665.41
706.00	6,566.00	41,063.00	3,594.00	670.00	546.00	889.00
	10,000.00	24,000.00	100.00			
5,778.66	89,372.04	635,804.42	41,079.94	6,535.59	4,582.26	9,183.12
1,274.42	6,598.54	24,344.62	5,448.17	2,039.34	1,335.49	1,279.24
182	1,592	8,279	1,370	180	125	254
53	263	1,235	49	21	38	68
7	52	210	7	2	4	5
242	1,907	9,724	1,426	203	167	327

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Burford	Burgess- ville	Caledonia	Campbell- ville	Cayuga
Population.....	P.V.	P.V.	1,410	P.V.	651
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,935.22	2,014.69	6,893.34	1,482.21	4,051.02
Commercial light service.....	1,800.61	535.63	4,685.50	625.02	3,170.37
Commercial power service.....	1,547.07	207.74	2,581.14	394.44	829.09
Municipal power.....					
Street lighting.....	617.61	312.00	1,796.31	382.70	1,380.48
Merchandise.....					107.53
Miscellaneous.....	284.89	60.57	293.10	125.70	123.07
Total earnings.....	10,185.40	3,130.63	16,249.39	3,010.07	9,661.56
EXPENSES					
Cost of power supplied by H-E.P.C..	6,384.17	1,774.36	8,418.77	1,725.57	3,820.57
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	406.15	26.22	1,121.96		535.07
Line transformer maintenance.....			16.11		72.15
Meter maintenance.....	132.77	22.79	157.56	1.50	44.18
Consumers' premises expenses.....	3.10		159.99		
Street lighting, operation and main- tenance.....	93.63	42.65	217.80	15.27	163.36
Promotion of business.....			12.40		
Billing and collecting.....	518.68		986.71		593.19
General office, salaries and expenses..	246.95	148.51	1,258.57	115.93	563.25
Undistributed expenses.....	9.05		115.13	5.75	101.74
Truck operation and maintenance.....			252.57		
Interest.....				27.73	169.95
Sinking fund and principal payments on debentures.....				460.49	1,503.64
Depreciation.....	652.00	296.00	985.00	169.00	963.00
Other reserves.....					
Total operating costs and fixed charges.....	8,446.50	2,310.53	13,702.57	2,521.24	8,530.10
Net surplus.....	1,739.90	820.10	2,546.82	488.83	1,131.46
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	237	61	449	50	184
Commercial light service.....	36	14	100	10	66
Power service.....	3	1	11	1	6
Total.....	276	76	560	61	256

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Chatham	Chippawa	Clifford	Clinton	Comber	Cottam	Courtright
17,241	1,294	456	2,037	P.V.	P.V.	313
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
101,836.78	8,936.93	2,967.73	16,270.17	2,346.57	2,726.37	1,607.96
92,173.19	2,683.61	1,743.18	7,976.95	1,768.95	1,375.94	695.78
89,434.84	26.13	793.67	5,007.62	2,343.87	432.32	.....
7,664.82	1,234.40	.....	1,713.28	.....	.....	974.64
18,151.62	1,562.10	876.04	2,650.38	648.00	424.70	589.26
4,401.89	.....	.....	841.88	.....	.....	.....
2,949.73	239.14	117.96	783.46	293.65	241.72	155.74
316,612.87	14,682.31	6,498.58	35,243.74	7,401.04	5,201.05	4,023.38
158,864.64	6,252.47	4,379.08	18,994.89	4,921.13	2,300.09	1,973.85
8,904.76	.....	.....	.....	.....	.....	.....
4,218.66	.....	.....	121.72	.....	.....	.....
15,111.77	725.99	41.22	1,955.94	179.87	125.29	57.05
1,708.66	136.80	.....	36.35	.....	.....	.....
6,261.91	517.64	104.72	260.99	128.45	4.61	.....
3,252.27	66.85	.....	309.37	.....	.....	.....
4,905.85	249.32	62.51	255.63	76.63	38.50	20.83
3,152.92	.....	.....	.....	.....	.....	.....
10,630.48	847.64	334.71	1,057.29	208.55	506.91	206.61
15,758.07	805.96	56.95	2,284.49	280.86	58.23	22.54
6,982.71	185.76	10.18	85.53	8.57	9.27	6.00
2,556.49	344.26	.....	184.63	.....	.....	.....
5,748.50	.....	265.61	.....	.....	145.20	.....
15,352.55	.....	289.52	.....	.....	607.94	.....
22,000.00	969.00	443.00	2,803.00	645.00	535.00	304.00
22,000.00	.....	.....	3,500.00	.....	.....	.....
307,410.24	11,101.69	5,987.50	31,849.83	6,449.06	4,331.04	2,590.88
9,202.63	3,580.62	511.08	3,393.91	951.98	870.01	1,432.50
.....
4,538	363	128	583	120	130	85
784	51	34	117	41	28	19
104	2	2	18	4	2	1
5,426	416	164	718	165	160	105

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Dashwood	Delaware	Delhi	Dorchester	Drayton
Population.....	P.V.	P.V.	2,093	P.V.	523
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,262.89	2,085.58	11,915.23	2,921.23	3,511.49
Commercial light service.....	1,318.26	624.25	8,351.75	997.78	1,919.11
Commercial power service.....	1,182.81	.....	7,581.85	581.20	1,413.79
Municipal power.....	.....	.....	.....	.....	.....
Street lighting.....	460.38	257.71	2,375.16	740.00	960.00
Merchandise.....	.....	.....	.....	.....	.....
Miscellaneous.....	149.95	61.08	931.34	181.47	260.00
Total earnings.....	5,374.29	3,028.62	31,155.33	5,421.68	8,064.39
EXPENSES					
Cost of power supplied by H-E.P.C..	3,654.99	1,854.00	12,943.70	2,963.30	5,992.09
Substation operation.....	.....	.....	.....	.....	.....
Substation maintenance.....	.....	.....	.....	.....	.....
Distribution system, operation and maintenance.....	185.53	32.09	1,337.86	162.50	297.81
Line transformer maintenance.....	.....	.....	134.81	1.20	.....
Meter maintenance.....	1.68	.....	838.80	30	43.89
Consumer's premises expenses.....	6.76	135.12	359.23	65.87	.....
Street lighting, operation and maintenance.....	50.20	30.00	146.71	47.53	143.19
Promotion of business.....	.....	.....	65.75	.....	.....
Billing and collecting.....	177.38	220.90	1,641.93	183.53	.....
General office, salaries and expenses..	74.70	46.07	1,510.74	74.21	465.62
Undistributed expenses.....	3.26	.....	354.95	.....	10.77
Truck operation and maintenance.....	.....	.....	195.21	.....	.....
Interest.....	45.24	26.22	2,860.75	37.63	174.43
Sinking fund and principal payments on debentures.....	188.85	236.00	2,397.12	242.09	515.73
Depreciation.....	325.00	214.00	1,685.00	526.00	774.00
Other reserves.....	.....	.....	2,200.00	500.00	.....
Total operating costs and fixed charges.....	4,713.59	2,794.40	29,572.56	4,804.16	8,417.53
Net surplus.....	660.70	234.22	1,582.77	617.52	.....
Net loss.....	.....	.....	.....	.....	353.14
NUMBER OF CONSUMERS					
Domestic service.....	102	67	605	159	167
Commercial light service.....	27	15	149	30	62
Power service.....	3	.....	8	2	5
Total.....	132	82	762	191	234

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Dresden 1,519	Drumbo P.V.	Dublin P.V.	Dundas 5,257	Dunnville 4,137	Dutton 776	East York Twp.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
7,323.41	2,446.12	1,332.82	27,831.88	17,408.17	3,074.96	258,304.92
5,935.74	1,034.84	1,025.81	13,212.48	13,102.46	2,254.91	26,159.90
4,438.76	865.46	1,495.34	40,498.77	15,583.59	3,714.16	38,012.59
451.48			626.98	2,695.81		4,891.56
2,028.00	572.00	488.66	5,114.55	3,291.36	921.00	23,003.11
766.13						
381.45	163.84	39.00	924.90	1,442.65	319.25	386.27
21,324.97	5,082.26	4,381.63	88,209.56	53,524.04	10,284.28	350,758.35
13,350.76	3,077.74	3,223.18	64,907.70	28,406.30	7,367.25	190,903.43
			634.26	433.41		1,730.39
1,030.93	239.23	52.83	5,713.40	2,156.47	330.12	11,368.75
127.09			122.85	33.95		638.50
121.87	5.73		1,122.14	796.92	12.98	4,996.46
214.27					61	6,499.34
378.99	111.56	128.64	597.61	523.17	198.01	2,772.71
959.13	453.06		1,333.55	1,109.30	519.51	16,791.41
806.86	47.00	329.83	2,349.46	1,600.06	189.44	13,668.36
41.71	1.28	22.96	787.74	192.37	3.01	1,161.50
437.47			1,053.76	194.87		
	27.21		118.38	1,179.25		5,290.69
	265.52		2,152.21	4,381.67		23,153.72
1,030.00	416.00	412.00	6,157.00	4,660.00	805.00	19,865.00
1,400.00				6,500.00		
19,899.08	4,644.33	4,169.44	87,050.06	52,167.74	9,425.93	298,840.26
1,425.89	437.93	212.19	1,159.50	1,356.30	858.35	51,918.09
481	94	57	1,443	1,050	228	11,525
125	25	27	194	201	64	462
11	1	2	38	27	11	43
617	120	86	1,675	1,278	303	12,030

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Elmira	Elora	Embro	Erieau	Erie Beach
Population.....	2,176	1,167	385	*234	†22
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	17,429.20	8,579.18	3,490.82	4,153.10	1,583.81
Commercial light service.....	9,183.60	4,316.32	1,240.58	1,619.18	203.05
Commercial power service.....	19,503.80	4,497.50	824.47	675.07	
Municipal power.....	2,497.13				
Street lighting.....	1,873.00	1,221.00	586.94	468.00	
Merchandise.....					
Miscellaneous.....	1,072.62	514.85	94.12	1.99	22.50
Total earnings.....	51,559.35	19,128.85	6,236.93	6,917.34	1,809.36
EXPENSES					
Cost of power supplied by H-E.P.C. .	33,594.03	12,656.35	4,603.86	3,916.64	869.37
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,985.60	1,303.69	225.01	117.45	35.64
Line transformer maintenance.....	447.40				
Meter maintenance.....	182.44	90.39	26.16	174.00	115.68
Consumers' premises expenses.....	26.82				
Street lighting, operation and maintenance.....	149.83	233.78	171.38	39.98	
Promotion of business.....		4.60			
Billing and collecting.....	857.72	955.70	355.80	471.77	130.39
General office, salaries and expenses..	1,031.85	508.11	129.15	400.93	200.69
Undistributed expenses.....	249.01	221.36	1.52	1.73	.46
Truck operation and maintenance.....	263.44	221.55			
Interest.....	329.65			36.57	102.22
Sinking fund and principal payments on debentures.....	2,185.40			581.86	186.67
Depreciation.....	3,026.00	1,491.00	652.00	571.00	119.00
Other reserves.....	2,500.00				
Total operating costs and fixed charges.....	46,829.19	* 17,686.53	6,164.88	6,311.93	1,760.12
Net surplus.....	4,730.16	1,442.32	72.05	605.41	49.24
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	555	359	119	192	83
Commercial light service.....	118	64	34	14	3
Power service.....	25	4	2	2	
Total.....	698	427	155	208	86

*Summer population 993.

†Summer population 322.

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Essex 1,959	Etobicoke Twp. V.A.	Exeter 1,627	Fergus 2,883	Fonthill 957	Forest 1,565	Forest Hill 12,779
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,916.61	209,171.40	15,336.19	21,458.16	6,358.41	13,751.46	211,732.60
8,211.35	25,896.82	7,291.63	9,075.22	1,754.80	7,183.30	22,798.77
7,316.66	35,439.18	3,242.44	21,424.48	215.38	4,422.17	2,931.59
1,332.87	7,375.27	542.89	641.41	188.69	1,238.20	524.49
2,146.08	12,880.60	2,571.24	2,214.00	1,244.10	2,197.45	8,341.10
.....	.....	592.80	.....	.....	235.99	.....
933.85	565.03	915.17	480.00	56.49	923.71	4,929.26
28,857.42	291,328.30	30,492.36	55,293.27	9,817.87	29,952.28	251,257.81
16,329.82	178,017.93	19,728.78	33,720.68	4,463.57	18,087.00	142,865.17
.....	.....	.....	.....	.....	.....	472.99
1,056.05	9,934.43	1,359.54	3,908.58	1,104.27	1,826.99	5,816.81
.....	639.86	96.33	394.60	23.50	.....	1,171.32
608.22	1,647.15	91.74	673.92	154.85	138.68	2,710.48
8.00	8,718.85	192.16	26.64	.....	656.57	6,667.98
401.45	929.32	248.15	482.30	186.77	226.49	817.13
41.70	.....	.....	12.89	.....	.....	.....
1,423.94	11,472.05	1,249.40	1,133.97	688.57	872.16	5,142.60
2,052.33	7,167.02	1,998.91	1,293.17	219.81	1,162.64	7,574.30
373.78	2,909.64	39.04	235.01	40.11	131.85	669.24
371.19	1,001.66	155.86	498.85	.....	69.63	421.19
733.83	4,244.89	.....	320.23	285.47	71.75	10,823.74
814.28	13,126.87	.....	1,743.56	1,350.95	1,304.35	15,406.15
2,579.00	17,550.00	2,162.00	2,261.50	706.00	2,036.00	14,626.00
1,000.00	15,000.00	2,000.00	4,200.00	.....	1,700.00	.....
27,793.59	272,359.67	29,321.91	50,905.90	9,223.87	28,284.11	215,185.10
1,063.83	18,968.63	1,170.45	4,387.37	594.00	1,668.17	36,072.71
.....
511	5,869	529	770	294	496	3,492
121	295	123	118	32	134	235
17	38	15	13	3	21	24
649	6,202	667	901	329	651	3,751

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Galt	George- town	Glencoe	Goderich	Granton
Population.....	15,025	2,498	793	4,922	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	121,074.51	20,413.99	4,747.37	37,391.92	2,004.28
Commercial light service.....	57,357.58	7,191.95	3,515.71	17,257.62	1,067.44
Commercial power service.....	162,411.67	29,644.23	1,817.69	17,463.46	.....
Municipal power.....	4,740.45	384.80	1,693.82	3,260.44	.....
Street lighting.....	13,740.00	2,674.08	1,819.56	4,328.19	381.64
Merchandise.....	.....	.....	.....	145.72	.....
Miscellaneous.....	2,306.10	866.45	382.89	1,264.85	148.64
Total earnings.....	361,630.31	61,175.50	13,977.04	81,112.20	3,602.00
EXPENSES					
Cost of power supplied by H-E.P.C.:	263,232.87	46,611.53	7,303.45	50,677.05	2,304.01
Substation operation.....	5,580.84	.....	.....	2,064.50	.....
Substation maintenance.....	153.29	.....	.....	.....	.....
Distribution system, operation and maintenance.....	4,564.74	1,546.29	1,566.60	2,431.69	28.37
Line transformer maintenance.....	458.49	109.93	109.05	659.65	60.00
Meter maintenance.....	1,962.00	1,261.88	67.57	681.34	4.19
Consumers' premises expenses.....	2,056.88	235.40	142.37	260.60	6.41
Street lighting, operation and main- tenance.....	2,123.54	357.17	136.56	762.08	20.18
Promotion of business.....	2,229.43	.....	.....	.....	.....
Billing and collecting.....	4,641.22	2,259.52	615.98	2,142.71	309.31
General office, salaries and expenses..	8,002.84	1,418.04	512.33	1,789.46	99.17
Undistributed expenses.....	3,032.95	199.74	147.01	282.72	5.93
Truck operation and maintenance....	356.68	694.58	.....	343.71	.....
Interest.....	477.07	82.28	.....	1,263.85	40.84
Sinking fund and principal payments on debentures.....	9,914.62	1,370.70	.....	3,668.65	213.43
Depreciation.....	32,072.00	2,787.00	1,457.00	7,713.00	312.00
Other reserves.....	10,000.00	.....	500.00	.....	.....
Total operating costs and fixed charges.....	350,859.46	58,934.06	12,557.92	74,741.01	3,403.84
Net surplus.....	10,770.85	2,241.44	1,419.12	6,371.19	198.16
Net loss.....	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service.....	4,261	825	229	1,355	85
Commercial light service.....	502	122	77	244	26
Power service.....	115	27	10	23	.....
Total.....	4,878	974	316	1,622	111

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Grimsby	Guelph	Hagersville	Hamilton	Harriston	Harrow	Hensall
1,998	23,195	1,524	167,505	1,287	1,136	659
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
17,550.17	121,254.08	7,871.11	987,090.61	7,898.78	11,464.59	4,646.69
12,158.10	47,721.06	5,822.42	443,874.62	4,901.07	5,015.69	2,391.48
11,205.63	125,256.50	20,085.78	2,832,094.77	6,261.97	3,743.93	3,033.15
2,517.22	14,927.75		88,936.61	378.52		
3,234.80	18,117.84	1,994.16	112,345.15	1,299.37	1,108.56	996.00
	329.91			77.77	54.36	
532.97	1,922.62	1,205.61	84,434.89	330.96	94.60	360.20
47,198.89	329,529.76	36,979.08	4,548,776.65	21,148.44	21,481.73	11,427.52
21,141.60	259,111.81	25,944.34	3,333,290.33	15,341.25	15,079.92	6,650.75
	3,035.60		75,076.85			
			12,574.88			
1,543.28	8,865.78	2,105.62	50,619.17	1,475.39	576.68	769.82
	5,406.00	42.05	6,144.89	24.95	13.00	
40.72	4,240.68	459.72	32,446.27	162.02	557.46	1.68
552.35	317.06	14.91	45,451.65	200.00	277.03	17.77
361.96	4,737.74	365.08	16,575.63	225.26	188.69	154.28
	67		19,730.00		8.00	
3,010.42	6,827.49	889.66	75,088.20	835.35	1,393.03	408.36
1,311.79	10,253.28	682.36	57,095.34	320.05	392.86	283.28
31.69	1,114.31	50.89	40,392.11	55.27	5.36	26.72
		166.02		96.46		
2,758.53		18.59	39,264.10	181.98		133.00
2,980.64		371.72	251,012.43	845.62		555.05
1,803.00	21,914.00	1,577.00	169,399.15	1,434.00	1,271.00	930.00
		2,000.00	200,000.00			
35,535.98	325,824.42	34,687.96	4,424,161.00	21,197.60	19,763.03	9,930.71
11,662.91	3,705.34	2,291.12	124,615.65		1,718.70	1,496.81
				49.16		
645	5,646	413	43,213	390	338	208
120	798	94	5,273	104	88	55
15	135	14	1,315	12	7	14
780	6,579	521	49,801	506	433	277

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM NIAGARA DIVISION—Continued

Municipality.....	Hespeler	Highgate	Humberstone	Ingersoll	Jarvis
Population.....	3,023	310	3,220	5,810	539
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	18,889.57	1,698.93	12,127.38	33,538.14	3,197.59
Commercial light service.....	4,656.66	804.06	3,577.10	15,378.43	2,121.72
Commercial power service.....	53,679.42	1,185.88	6,307.12	46,306.24	3,476.58
Municipal power.....	1,011.58	29.35		1,696.89	
Street lighting.....	2,644.00	514.80	1,473.22	4,536.47	779.96
Merchandise.....				490.34	
Miscellaneous.....	749.50	165.00	852.90	363.49	365.80
Total earnings.....	81,630.73	4,398.02	24,337.72	102,310.00	9,941.65
EXPENSES					
Cost of power supplied by H-E.P.C..	62,863.33	3,189.92	12,946.90	79,277.90	6,119.89
Substation operation.....	274.69			186.96	
Substation maintenance.....	4.51				
Distribution system, operation and maintenance.....	3,681.21	151.36	786.01	2,335.70	132.58
Line transformer maintenance.....	146.52		56.10	158.43	5.15
Meter maintenance.....	166.84	5.99	787.30	812.88	174.10
Consumers' premises expenses.....	737.58			1,173.01	
Street lighting, operation and maintenance.....	303.45	28.34	227.63	1,047.05	26.66
Promotion of business.....				221.00	
Billing and collecting.....	1,280.02	314.50	1,066.51	2,650.90	538.40
General office, salaries and expenses..	1,737.11	146.30	594.83	3,319.25	63.63
Undistributed expenses.....	759.84	15.77	42.95	909.84	7.87
Truck operation and maintenance....	233.82		132.64	163.15	
Interest.....	690.78		240.00		46.60
Sinking fund and principal payments on debentures.....	1,733.69		2,000.00		832.84
Depreciation.....	3,694.00	522.00	1,339.00	5,056.00	608.00
Other reserves.....			2,500.00	2,600.00	
Total operating costs and fixed charges.....	78,307.39	4,374.18	22,719.87	99,912.07	8,555.72
Net surplus.....	3,323.34	23.84	1,617.85	2,397.93	1,385.93
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	819	106	734	1,519	163
Commercial light service.....	85	32	76	218	41
Power service.....	30	6	11	45	3
Total.....	934	144	821	1,782	207

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Kingsville	Kitchener	Lambeth	La Salle	Leamington	Listowel	London
*2,290	35,745	P.V.	1,020	†5,618	2,993	77,438
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
14,808.10	244,251.50	3,560.52	9,070.37	28,955.71	17,764.85	589,059.06
8,575.84	121,521.28	827.18	957.78	16,160.16	11,646.63	197,566.12
4,985.50	380,775.56	218.34	37.33	18,310.46	17,994.87	455,313.62
970.58	30,787.74	420.14	.....	2,014.39	953.69	100,806.23
2,526.96	30,393.92	692.08	749.11	5,256.71	4,161.00	51,395.12
.....	.....	.....	.....	.....	97.82	777.04
1,538.80	5,113.92	68.08	178.52	1,545.18	882.67	37,097.78
33,405.78	812,843.92	5,786.34	10,993.11	72,242.61	53,501.53	1,432,014.97
16,270.44	595,089.80	3,148.69	6,856.74	44,346.71	41,146.68	888,031.65
.....	13,576.44	.....	.....	.....	.....	13,875.99
.....	3,121.04	.....	.....	.....	591.78	20,174.76
2,258.26	20,135.21	117.37	220.18	2,322.76	1,695.04	18,538.60
34.95	2,334.60	.....	3.38	19.91	247.61	5,631.90
605.40	10,208.85	82.57	22.03	624.83	346.64	21,112.36
51.84	3,862.89	.....	121.33	11.20	228.82	2,752.19
427.12	7,509.15	64.07	87.49	996.38	652.30	8,590.63
8.00	186.69	.....	1.15	329.50	.....	4,496.46
2,033.92	13,783.04	291.94	492.26	2,058.00	1,170.76	27,196.70
1,651.48	15,826.59	37.84	252.87	4,113.47	982.00	32,005.98
459.76	1,180.94	1.52	11.13	838.18	116.90	26,284.98
179.96	.....	.....	.....	405.80	320.39	7,391.32
1,224.22	6,311.11	.....	154.92	.....	.....	13,139.44
1,209.49	39,468.14	.....	661.87	.....	.....	13,610.59
2,819.00	52,539.00	564.00	1,287.00	5,163.00	4,068.00	136,444.81
2,000.00	.....	500.00	.....	5,500.00	.....	102,523.20
31,233.84	785,133.49	4,808.00	10,172.35	66,729.74	51,566.92	1,341,801.56
2,171.94	27,710.43	978.34	820.76	5,512.87	1,934.61	90,213.41
.....
635	8,554	139	252	1,659	798	19,425
160	1,083	22	13	273	159	1,847
22	286	3	1	32	24	450
817	9,923	164	266	1,964	981	21,722

*Summer population 2,415.

*Summer population 6,119

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality	London Twp. V.A.	Long Branch 5,320	Lucan 607	Lynden P.V.	Markham 1,162
Population					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service	15,810.19	36,531.92	4,822.80	2,844.69	8,388.13
Commercial light service	1,741.93	6,185.57	2,241.76	722.98	2,664.70
Commercial power service	1,691.94	10,112.81	1,214.22	814.36	2,806.37
Municipal power		2,047.83			296.84
Street lighting	1,199.00	4,212.20	1,382.14	402.24	1,293.50
Merchandise					
Miscellaneous	4.25	193.60	244.30	61.34	548.56
Total earnings	20,447.31	59,283.93	9,905.22	4,845.61	15,998.10
EXPENSES					
Cost of power supplied by H-E.P.C.	13,709.21	29,830.79	5,328.35	2,942.24	9,614.08
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	447.16	3,228.05	265.47	80.69	787.76
Line transformer maintenance		82.85	12.49		61.30
Meter maintenance	552.01	739.20	31.46	5.20	
Consumers' premises expenses	329.35	489.23	126.70		
Street lighting, operation and main- tenance	210.16	415.74	160.15	57.82	154.41
Promotion of business					
Billing and collecting	835.24	3,580.00	524.15		1,002.24
General office, salaries and expenses	466.43	2,376.66	383.35	238.66	12.09
Undistributed expenses	5.04	905.26	60.71	29.25	35.55
Truck operation and maintenance					153.19
Interest	328.75	71.51	66.44	45.89	
Sinking fund and principal payments on debentures	345.80	1,924.44	421.45	263.39	
Depreciation	1,302.00	3,225.00	874.00	381.00	1,116.00
Other reserves		6,000.00			1,500.00
Total operating costs and fixed charges	18,531.15	52,868.73	8,254.72	4,044.14	14,436.62
Net surplus	1,916.16	6,415.20	1,650.50	801.47	1,561.48
Net loss					
NUMBER OF CONSUMERS					
Domestic service	492	1,544	175	104	341
Commercial light service	14	105	49	15	66
Power service	4	9	6	2	8
Total	510	1,658	230	121	415

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Merlin P.V.	Merritton 3,189	Milton 1,953	Milverton 982	Mimico 7,641	Mitchell 1,588	Moorefield P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,459.28	19,097.90	14,401.63	5,715.99	67,771.87	13,148.13	1,118.65
2,056.75	4,060.75	6,795.97	4,241.24	10,121.92	5,792.94	1,542.52
852.51	230,758.81	27,315.21	3,356.57	7,949.34	5,744.75	60.21
.....	1,999.32	.....	522.84	9,263.53	989.84	.....
626.76	3,242.68	2,047.32	967.95	7,521.51	2,441.51	350.00
.....	.....	286.00	.....	.....	1,289.74	.....
518.72	1,272.77	1,722.69	248.35	2,925.82	1,343.00	93.06
6,514.02	260,432.23	52,568.82	15,052.94	105,553.99	30,749.91	3,164.44
2,668.25	224,458.81	37,207.72	11,273.18	57,659.32	19,117.72	2,271.14
.....	463.35	.....	.....	276.01	.....	.....
.....	.....	268.66	.....	.....	392.88	.....
365.67	3,334.33	3,052.58	826.89	7,876.63	879.56	42.90
9.58	7.30	128.05	.....	92.20	38.34	.....
264.93	628.26	440.25	57.78	1,268.70	486.23	26.49
149.89	.....	135.93	.....	2,326.39	395.77	.....
44.78	797.89	293.78	141.89	996.56	283.78	28.09
376.55	2,150.75	876.19	608.65	3,909.46	1,313.42	.....
285.02	2,310.33	1,360.37	473.58	3,316.17	1,501.02	157.44
1.67	236.44	112.70	40.86	350.61	699.14	.....
.....	269.14	188.54	.....	616.74	549.09	.....
.....	121.40	.....	.....	1,499.62	2.65	.....
.....	1,074.11	.....	.....	5,368.40	.....	.....
544.00	4,884.00	2,983.00	916.00	7,823.00	3,818.00	276.00
.....	15,000.00	2,500.00	.....	6,000.00	.....	.....
4,710.34	255,736.11	49,547.77	14,338.83	99,379.81	29,477.60	2,802.06
1,803.68	4,696.12	3,021.05	714.11	6,174.18	1,272.31	362.38
.....
120	949	545	268	2,221	512	51
55	65	102	75	155	130	28
3	16	14	10	27	22	1
178	1,030	661	353	2,403	664	80

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Mount Brydges P.V.	Newbury 241	New Hamburg 1,395	New Toronto 7,855	Niagara Falls 20,118
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,787.72	1,330.32	10,764.73	45,142.82	133,405.98
Commercial light service.....	1,000.26	481.53	4,212.50	17,404.47	57,361.62
Commercial power service.....	885.40	199.75	7,346.43	259,942.46	90,554.72
Municipal power.....				13,968.63	14,252.52
Street lighting.....	752.85	662.40	1,976.04	7,162.44	23,919.42
Merchandise.....			78.64		
Miscellaneous.....	375.53	130.45	416.50	3,513.01	4,539.45
Total earnings.....	5,801.76	2,804.45	24,794.84	347,133.83	324,033.71
EXPENSES					
Cost of power supplied by H-E.P.C..	2,641.30	1,154.73	14,987.74	288,760.96	181,140.46
Substation operation.....			245.69		11,330.00
Substation maintenance.....					
Distribution system, operation and maintenance.....	61.98	119.56	1,054.58	7,256.56	9,063.23
Line transformer maintenance.....			25.75	629.49	239.40
Meter maintenance.....	59.84	9.44	384.31	1,808.85	7,874.19
Consumers' premises expenses.....			38.51	68.49	3,378.94
Street lighting, operation and main- tenance.....	9.50	59.44	206.04	980.34	2,251.22
Promotion of business.....					
Billing and collecting.....	258.18	110.18	770.08	3,928.32	8,474.41
General office, salaries and expenses..	73.00	93.16	1,120.34	7,693.48	12,768.36
Undistributed expenses.....	6.53		335.34	1,609.39	4,853.46
Truck operation and maintenance.....			226.17	771.49	2,578.59
Interest.....	29.49			24.78	4,075.79
Sinking fund and principal payments on debentures.....	260.88			495.62	16,959.14
Depreciation.....	485.00	423.00	1,804.00	8,305.00	33,467.00
Other reserves.....			1,500.00	12,000.00	
Total operating costs and fixed charges.....	3,885.70	1,969.51	22,698.55	334,332.77	298,454.19
Net surplus.....	1,916.06	834.94	2,096.29	12,801.06	25,579.52
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	166	68	373	1,977	4,944
Commercial light service.....	34	16	96	220	732
Power service.....	5	1	12	37	99
Total.....	205	85	481	2,234	5,775

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Niagara-on-the-Lake 1,884	North York Twp.	Norwich 1,184	Oil Springs 445	Otterville P.V.	Palmerston 1,342	Paris 4,608
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
17,373.73	245 928.93	9,232.53	1,867.73	2,585.03	10,942.61	25,556.77
6,690.59	28,631.91	4,073.85	1,266.51	1,835.98	4,462.08	8,865.85
5,026.63	151,620.53	1,497.40	5,458.94	406.81	6,510.78	24,180.48
1,616.99	5,811.67	505.59	.....	78.98	846.13	877.69
3,448.68	5,395.95	2,007.40	540.72	779.52	2,342.64	5,186.53
20.72	.....	424.93	.....	.....	30.37	.....
262.69	.....	278.99	416.40	129.75	120.00	915.33
34,440.03	437,388.99	18,020.69	9,550.30	5,816.07	25,254.61	65,582.65
17,001.29	246,086.90	11,362.62	6,357.87	3,177.78	18,341.79	42,980.17
.....	595.42	.....	.....	.....	.....	939.43
199.21	.....	.....	.....	.....	.....	.....
2,209.75	17,347.97	1,489.47	669.92	364.69	573.31	2,796.43
231.70	2,590.80	.....	40.68	.....	166.06	402.82
469.31	4,378.39	134.55	97.26	.....	366.46	1,143.70
587.97	2,101.94	7.59	.....	.....	747.97	275.77
580.29	1,372.65	209.77	56.46	79.96	372.90	1,439.86
.....	.....	31.00	27.32	.....	.....	.....
1,722.92	11,314.17	674.37	547.63	328.68	970.80	2,050.65
1,921.00	10,432.55	754.74	200.50	331.34	738.54	1,654.27
298.32	4,876.55	67.61	2.50	1.48	85.01	182.35
478.50	5,922.36	127.51	.....	.....	178.92	690.64
780.53	12,326.30	.....	.....	.....	.....	65.44
1,643.89	33,497.91	.....	.....	.....	.....	1,189.75
2,692.00	21,710.00	1,176.00	1,110.00	676.00	1,782.00	7,053.00
30,816.68	374,553.91	16,035.23	9,110.14	4,959.93	24,323.76	62,864.28
3,623.35	62,835.08	1,985.46	440.16	856.14	930.85	2,718.37
607	6,670	379	105	141	398	1,210
100	321	87	32	44	102	192
11	46	9	34	4	13	25
718	7,037	475	171	189	513	1,427

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Parkhill	Petrolia	Platts- ville P.V.	Point Edward 1,221	Port Colborne 7,050
Population.....	882	2,605			
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,735.54	13,698.16	2,747.13	7,062.51	33,611.53
Commercial light service.....	3,011.64	7,390.59	2,080.05	2,718.02	18,869.14
Commercial power service.....	1,316.93	23,915.06	2,326.12	42,786.04	32,709.52
Municipal power.....	529.26				6,503.98
Street lighting.....	1,591.20	2,604.44	368.59	1,671.36	8,173.32
Merchandise.....		301.86		103.13	104.67
Miscellaneous.....	169.82	717.09	165.00	617.10	3,546.59
Total earnings.....	12,354.39	48,627.20	7,686.89	54,958.16	103,518.75
EXPENSES					
Cost of power supplied by H-E.P.C..	7,170.74	29,574.74	4,508.08	48,570.89	52,637.49
Substation operation.....		163.64			
Substation maintenance.....					
Distribution system, operation and maintenance.....	291.84	4,217.36	198.36	303.97	7,012.99
Line transformer maintenance.....	166.23	182.52		7.72	1,490.83
Meter maintenance.....	31.44	584.40		329.81	2,546.73
Consumers' premises expenses.....	100.00	77.34		15.90	23.17
Street lighting, operation and main- tenance.....	113.04	661.08	35.98	246.02	2,247.13
Promotion of business.....		81.46		14.50	
Billing and collecting.....	465.50	1,213.38	216.76	1,141.64	2,796.59
General office, salaries and expenses..	119.43	2,193.94	27.21	880.35	2,441.78
Undistributed expenses.....	9.05	121.31	8.78	20.89	1,405.90
Truck operation and maintenance...		131.57			699.82
Interest.....		357.34	31.69	95.91	1,529.47
Sinking fund and principal payments on debentures.....		2,050.85	308.98	775.94	6,419.90
Depreciation.....	1,027.00	4,153.00	366.00	1,506.00	6,510.00
Other reserves.....	1,500.00				8,000.00
Total operating costs and fixed charges.....	10,994.27	45,763.93	5,701.84	53,909.54	95,761.80
Net surplus.....	1,360.12	2,863.27	1,985.05	1,048.62	7,756.95
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	286	811	119	347	1,648
Commercial light service.....	80	149	24	48	234
Power service.....	7	60	2	10	23
Total.....	373	1,020	145	405	1,905

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Port Credit 1,956	Port Dalhousie 1,747	Port Dover 1,818	Port Rowan 622	Port Stanley 919	Preston 6,707	Princeton P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,712.16	20,566.84	10,701.68	3,039.66	16,404.06	37,943.48	2,786.99
6,728.82	4,585.00	5,025.04	2,142.27	4,380.54	18,664.85	879.42
4,241.53	7,415.05	5,362.52	101.52	3,326.05	62,552.24	2,345.58
1,228.66				882.66	1,246.88	
2,574.84	1,540.54	2,395.41	734.80	2,355.96	5,299.26	435.42
481.99	578.24	309.66	186.60	520.07	952.34	148.94
34,968.00	34,685.67	23,794.31	6,204.85	27,869.34	126,659.05	6,596.35
21,216.06	23,734.46	13,422.23	3,073.57	16,844.64	95,904.75	4,772.97
					4,469.33	
					77.30	
1,846.77	2,402.82	2,168.21	111.15	2,556.66	2,407.77	60.93
164.27	125.34	72.84	2.40	32.55	150.31	
717.26	556.01	624.10	71.73	384.20	743.20	50.98
874.49	73.17	16.47		191.80	516.64	4.90
421.54	333.32	269.33	73.30	327.28	419.60	34.59
1,436.20	1,483.49	585.14	306.04	909.99	2,012.17	277.47
522.21	1,379.78	1,175.13	69.07	903.75	2,922.80	41.00
99.82	234.71	186.55	6.79	76.43	983.72	1.83
	461.54	219.13		468.88	389.25	
122.18		15.72	242.39		627.55	21.48
359.27			716.64		3,862.32	209.45
2,360.00	1,384.00	2,019.00	516.00	1,914.70	11,181.00	317.00
2,500.00				1,000.00		
32,640.07	32,168.64	20,773.85	5,189.08	25,610.88	126,667.71	5,792.60
2,327.93	2,517.03	3,020.46	1,015.77	2,258.46		803.75
					8.66	
629	682	743	158	776	1,666	95
63	69	115	40	95	220	20
11	12	15	2	11	47	3
703	763	873	200	882	1,933	118

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Queenston	Richmond Hill	Ridge-town	River-side	Rockwood
Population.....	P.V.	1,423	1,854	5,525	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,427.31	11,182.04	9,327.19	43,936.96	4,270.62
Commercial light service.....	1,755.60	3,973.51	6,774.27	5,013.47	943.27
Commercial power service.....		1,887.13	6,219.21	4,244.21	30.28
Municipal power.....		450.52	1,200.34	3,860.87	
Street lighting.....	389.34	1,227.50	2,864.64	3,588.60	730.56
Merchandise.....			252.35	539.23	10.96
Miscellaneous.....	136.68	131.77	816.97	997.27	82.35
Total earnings.....	5,708.93	18,852.47	27,454.97	62,180.61	6,068.04
EXPENSES					
Cost of power supplied by H-E.P.C.	2,551.16	11,736.47	15,318.90	30,795.07	3,422.07
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	181.32	974.94	821.76	2,153.51	192.10
Line transformer maintenance.....	30.00		27.34	113.21	
Meter maintenance.....	15.20	405.99	409.25	962.94	141.48
Consumers' premises expenses.....	114.28	340.76	415.25	1,157.46	
Street lighting, operation and maintenance.....	30.72	124.07	459.64	625.53	87.07
Promotion of business.....					
Billing and collecting.....	278.98	1,097.78	1,785.84	2,498.43	
General office, salaries and expenses	316.99	330.00	11,117.57	3,656.13	720.16
Undistributed expenses.....	11.79	4.69	386.24	673.93	
Truck operation and maintenance.....			757.42	477.25	
Interest.....	32.70		135.21	312.13	75.79
Sinking fund and principal payments on debentures.....	85.55		640.51	1,181.07	129.31
Depreciation.....	483.00	809.00	1,992.00	5,031.00	621.00
Other reserves.....		1,500.00	1,500.00	6,600.00	
Total operating costs and fixed charges.....	4,131.69	17,323.70	25,766.93	56,237.66	5,388.98
Net surplus.....	1,577.24	1,528.77	1,688.04	5,942.95	679.06
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	78	405	596	1,496	170
Commercial light service.....	16	70	136	59	29
Power service.....		15	19	11	1
Total.....	94	490	751	1,566	200

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Rodney 722	St. Catharines 32,559	St. Clair Beach *153	St. George P.V.	St. Jacobs P.V.	St. Marys 4,005
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,256.43	188,997.58	3,143.33	3,524.38	4,198.14	28,026.00
2,119.27	86,817.69	1,790.63	1,413.73	1,753.26	9,223.50
2,145.57	503,376.75	165.44	2,605.96	4,830.24	22,485.28
1,102.96	26,123.49		438.74	407.90	2,302.85
111.00	5,148.81	201.70	273.94	251.56	4,551.50
8,735.23	810,464.32	5,301.10	8,256.75	11,441.10	60.32
					588.19
					67,237.64
5,184.03	601,941.37	2,720.89	4,528.23	8,060.47	42,238.16
	9,889.44				2,054.04
					446.57
476.72	22,750.90	168.74	32.10	34.46	2,524.88
14.95	2,133.44		1.10		347.31
12.03	7,264.91	74.75	12.24	58.79	1,249.21
	1,441.34	45.52			1,169.27
156.14	3,621.61		134.93	38.37	924.47
	371.86				43.20
370.68	17,649.79	330.25	466.27	495.81	1,317.99
482.11	11,509.81	163.70	153.59	237.31	2,714.27
7.37	5,787.83	1.63	11.90	15.61	1,420.57
	1,989.96				590.67
	7,200.00		41.93		854.80
	5,568.29		370.90		1,947.40
653.00	31,815.00	500.00	435.00	473.00	6,539.00
			1,000.00		
7,357.03	730,935.55	4,005.48	7,188.19	9,413.82	66,381.81
1,378.20	79,528.77	1,295.62	1,068.56	2,027.28	855.83
233	8,609	99	162	138	1,030
64	1,032	7	30	30	166
6	207	1	1	8	38
303	9,848	107	193	176	1,234

*Summer population 323

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	St. Thomas	Sarnia	Scarborough Twp. V.A.	Seaforth
Population.....	17,773	17,840		1,711
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	137,580.33	107,336.11	133,836.65	11,579.17
Commercial light service.....	47,370.29	48,887.75	22,576.46	6,890.37
Commercial power service.....	63,414.19	206,092.96	22,876.00	7,370.45
Municipal power.....	5,457.91	4,740.72	15,846.66	709.67
Street lighting.....	14,136.56	16,623.74	14,450.58	1,608.00
Merchandise.....				92.03
Miscellaneous.....	4,009.37	13,096.27	1,854.38	200.99
Total earnings.....	271,968.65	396,777.55	211,440.73	28,450.68
EXPENSES				
Cost of power supplied by H-E.P.C....	181,603.35	281,141.36	109,446.82	20,193.08
Substation operation.....	10,096.83	14,740.86	213.35	
Substation maintenance.....	334.48	351.56		76.87
Distribution system, operation and maintenance.....	9,143.72	5,634.19	7,232.56	934.33
Line transformer maintenance.....	386.14	1,549.37	1,142.74	114.83
Meter maintenance.....	2,168.06	6,268.41	3,987.02	247.92
Consumers' premises expenses.....	8,472.59	1,282.00	1,344.13	458.22
Street lighting, operation and main- tenance.....	1,830.03	4,018.05	2,355.03	371.28
Promotion of business.....	2,502.79	2,880.36		
Billing and collecting.....	7,778.51	9,811.85	6,787.81	1,122.99
General office, salaries and expenses....	10,464.43	16,640.22	5,887.89	951.56
Undistributed expenses.....	6,009.24	6,644.15	1,706.75	137.50
Truck operation and maintenance.....		1,140.79	2,352.71	313.07
Interest.....		588.09	2,648.76	354.50
Sinking fund and principal payments on debentures.....		3,007.28	11,651.46	518.25
Depreciation.....	19,360.00	24,103.00	17,801.00	2,383.00
Other reserves.....		8,000.00	18,000.00	
Total operating costs and fixed charges.....	260,150.17	387,801.54	192,558.03	28,177.40
Net surplus.....	11,818.48	8,976.01	18,882.70	273.28
Net loss.....				
NUMBER OF CONSUMERS				
Domestic service.....	4,693	5,157	5,718	498
Commercial light service.....	600	595	378	106
Power service.....	82	84	40	23
Total.....	5,375	5,836	6,136	627

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Simcoe	Smithville	Springfield	Stamford Twp. *	Stouffville	Stratford	Strathroy
6,224	P.V.	409		1,223	16,993	3,060
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
27,568.31	4,054.91	2,290.58	77,711.35	7,744.53	140,693.66	22,361.28
28,135.81	2,753.99	712.82	12,380.84	4,150.43	49,457.92	11,177.75
25,948.37	2,721.05	876.29	14,494.42	1,267.62	58,710.17	14,872.66
2,618.17			2,488.40		10,299.35	1,646.71
4,723.92	1,096.01	491.50	7,798.32	1,302.30	15,955.16	4,044.96
			1,091.00		17.35	70.79
2,820.29	234.18	105.60	1,528.87	616.28	9,840.12	930.00
91,814.87	10,860.14	4,476.79	117,493.20	15,081.16	284,973.73	55,104.15
58,882.96	4,507.17	2,209.13	46,901.27	8,394.13	178,718.65	38,737.67
367.71			746.60		6,597.57	655.80
					1,695.51	
4,810.72	798.91	91.27	9,921.81	419.51	9,236.32	743.89
848.15	9.00		1,098.31		874.39	210.77
1,272.93	46.75		2,633.92	150.93	3,872.31	707.55
253.54			3,046.85		6,565.61	2,015.65
961.68	121.54	76.44	1,391.41	180.28	2,189.66	872.57
30.00			193.62		1,470.84	6.60
2,799.91	652.90	434.91	3,654.48	746.82	8,080.63	947.35
2,827.68	192.47	131.50	5,064.09	519.83	9,072.23	2,449.11
284.24	26.34		2,022.02		4,040.57	691.89
765.05			2,691.47		1,624.89	555.62
1,043.61	282.23	88.92	3,146.35		5,300.00	901.96
4,918.29	765.74	288.11	10,179.60		1,796.89	2,423.02
5,515.00	663.00	443.00	9,776.00	743.00	29,141.00	4,678.00
4,500.00			10,000.00	2,000.00	7,000.00	
90,081.47	8,066.05	3,763.28	112,467.80	13,154.50	277,277.07	56,597.45
1,733.40	2,794.09	713.51	5,025.40	1,926.66	7,696.66	
						1,493.30
1,654	184	116	2,494	404	4,511	828
386	53	28	166	84	576	173
44	5	3	19	7	111	31
2,084	242	147	2,679	495	5,198	1,032

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Streets- ville 704	Sutton 918	Swansea 7,033	Tavistock 1,042	Tecumseh 2,628
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,664.30	7,972.61	73,612.20	8,736.82	17,133.20
Commercial light service.....	1,970.35	3,157.64	8,422.00	4,392.88	4,826.31
Commercial power service.....	4,475.36	1,112.80	25,697.73	9,350.76	1,945.66
Municipal power.....			2,764.85	455.64	
Street lighting.....	1,169.50	1,732.50	5,234.13	1,186.44	1,287.72
Merchandise.....				39.18	
Miscellaneous.....	692.40	270.00	1,826.12	250.00	479.13
Total earnings.....	13,971.91	14,245.55	117,557.03	24,411.72	25,672.02
EXPENSES					
Cost of power supplied by H-E.P.C.	6,081.04	8,745.33	75,037.87	18,088.83	11,891.25
Substation operation.....	1,048.73				
Substation maintenance.....				261.20	
Distribution system, operation and maintenance.....	748.03	694.81	2,384.37	315.58	1,416.92
Line transformer maintenance.....	44.75		451.48		15.00
Meter maintenance.....		132.55	579.56	180.04	606.37
Consumers' premises expenses.....			1,698.85	136.24	463.78
Street lighting, operation and main- tenance.....		163.52	595.55	118.25	416.32
Promotion of business.....			107.54		
Billing and collecting.....	837.97	582.14	4,726.20	951.69	1,098.24
General office, salaries and expenses.	605.87	227.48	2,850.53	421.62	1,498.43
Undistributed expenses.....	33.50	39.25	278.12	20.45	83.75
Truck operation and maintenance ...		220.90	495.45		369.28
Interest.....	497.84	71.51	2,625.07	71.00	
Sinking fund and principal payments on debentures.....	625.55	1,300.18	3,567.60	321.12	
Depreciation.....	1,108.00	1,310.00	5,861.00	1,296.00	2,028.00
Other reserves.....	1,000.00			1,000.00	2,800.00
Total operating costs and fixed charges.....	12,631.28	13,487.67	101,259.19	23,182.02	22,687.34
Net surplus.....	1,340.63	757.88	16,297.84	1,229.70	2,984.68
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	205	461	2,081	300	692
Commercial light service.....	50	78	89	96	52
Power service.....	6	3	16	9	2
Total.....	261	542	2,186	405	746

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Thamesford P.V.	Thamesville 789	Thedford 557	Thorndale P.V.	Thorold 5,374	Tilbury 1,982	Tillsonburg 3,999
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,712.24	3,582.76	3,454.04	1,771.62	22,243.96	7,427.77	19,724.56
1,229.32	2,670.16	2,687.66	727.65	8,199.67	6,337.06	16,001.94
1,839.69	1,766.94	1,389.04	1,135.80	42,618.63	31,825.93	12,910.26
.....	190.78	.....	.....	1,946.82	225.00	1,552.46
472.84	1,083.60	986.00	384.00	3,470.69	1,531.56	4,728.32
.....	.....	.....	.....	.....	4.95	289.81
285.85	491.68	284.74	63.00	2,406.11	867.24	300.00
7,539.94	9,785.92	8,801.48	4,082.07	80,885.88	48,219.51	55,507.35
6,629.07	5,520.27	4,452.83	2,907.69	53,857.19	40,357.87	32,562.27
.....	.....	.....	.....	3,356.79	.....	1,169.22
256.16	544.03	170.29	44.24	2,091.28	1,087.05	2,740.69
.....	.....	60.36	.....	24.95	18.45	326.37
4.90	34.38	32.65	1.49	534.79	346.43	726.79
123.08	.....	.....	.....	197.04	0.40	5.04
120.32	149.83	101.15	39.75	803.59	238.24	419.58
328.10	364.45	249.20	163.93	2,276.37	670.26	2,581.36
158.85	294.48	78.14	56.78	1,245.23	1,010.55	4,375.07
1.86	14.47	7.11	.....	192.90	229.43	145.75
.....	.....	.....	.....	623.63	377.37	333.64
11.74	.....	.....	20.82	.....	79.91	372.60
187.19	.....	.....	141.81	.....	646.58	363.22
564.00	1,047.00	592.00	360.00	3,789.00	1,837.00	4,159.00
.....	.....	.....	200.00	.....	.....	2,500.00
8,385.27	7,968.91	5,743.73	3,936.51	69,172.76	46,899.54	52,780.60
.....	1,817.01	3,057.75	145.56	11,713.12	1,319.97	2,726.75
845.33	.....	.....	.....	.....	.....	.....
140	237	164	75	1,270	496	1,209
39	69	48	23	165	120	242
6	6	2	2	18	15	35
185	312	214	100	1,453	631	1,486

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Continued

Municipality.....	Toronto	Toronto Twp. V.A.	Trafalgar Twp. V.A. No. 1	Trafalgar Twp. V.A. No. 2
Population.....	669,130			
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,912,384.34	86,364.62	15,637.91	5,492.89
Commercial light service.....	2,303,262.22	19,189.09	637.03	809.86
Commercial power service.....	4,777,170.50	8,394.62	444.69	204.64
Municipal power.....	1,348,727.17			
Street lighting.....	367,755.94	5,178.87		
Merchandise.....				
Miscellaneous.....	325,030.25	3,416.27	605.60	340.70
Total earnings.....	13,034,330.42	122,543.47	17,325.23	6,848.09
EXPENSES				
Cost of power supplied by H-E.P.C....	7,579,430.60	77,991.97	10,207.81	4,799.22
Substation operation.....	231,352.91			
Substation maintenance.....	289,710.96			
Distribution system, operation and maintenance.....	395,819.28	6,926.81	2,527.22	383.95
Line transformer maintenance.....	56,871.88	333.40	35.25	47.05
Meter maintenance.....	119,553.18	1,362.34	138.34	91.05
Consumers' premises expenses.....	248,627.36	2.51		
Street lighting, operation and main- tenance.....	119,096.14	603.16		
Promotion of business.....	118,909.95			
Billing and collecting.....	455,472.96	7,188.94		
General office, salaries and expenses..	376,343.98	9,024.87	1,447.27	651.89
Undistributed expenses.....	223,003.58	455.92	158.55	30.84
Truck operation and maintenance.....		2,189.35	541.98	
Interest.....	550,517.93	730.42	87.26	397.33
Sinking fund and principal payments on debentures.....	1,031,731.59	1,363.16	1,586.33	862.86
Depreciation.....	1,155,394.03	13,686.00	1,703.00	512.00
Other reserves.....				
Total operating costs and fixed charges.....	12,951,836.33	121,858.85	18,433.01	7,776.19
Net surplus.....	82,494.09	684.62		
Net loss.....			1,107.78	928.10
NUMBER OF CONSUMERS				
Domestic service.....	153,330	2,912	395	165
Commercial light service.....	22,663	180	3	22
Power service.....	5,105	28	6	2
Total.....	181,098	3,120	404	189

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,970	227	898	1,300	9,349	1,038	14,899
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
23,679.90	1,639.89	6,058.56	7,098.36	71,181.38	7,883.41	58,829.34
13,985.83	732.89	1,494.89	3,393.43	23,612.15	3,756.67	35,194.32
90,464.57	63.05	1,216.46	5,476.47	63,973.73	5,283.89	219,383.98
2,206.32		124.27	235.75	4,136.16	306.69	2,163.93
4,601.52	606.00	1,092.50	1,456.80	7,344.60	1,473.34	11,743.95
2,348.90						
3,150.20	77.50	225.32	352.85	2,921.70	335.65	9,149.50
140,437.24	3,119.33	10,212.00	18,013.66	173,169.72	19,039.65	336,465.02
100,794.72	1,339.11	5,732.75	11,286.59	126,100.20	12,032.49	222,881.39
409.62				1,531.92		8,189.42
				1,132.83		1,320.22
4,184.46	121.99	849.82	1,063.21	4,361.00	1,116.90	5,564.91
354.69			66.65	698.40	.25	3,713.76
1,432.63	5.77	130.60	270.47	1,770.54	8.25	4,628.56
			4.00	693.47	125.13	2,293.82
724.03	74.07	182.58	301.94	711.45	148.21	1,558.27
106.00						48.98
2,371.19	95.60	629.13	830.70	3,974.52	633.64	5,926.60
4,374.27	90.22	210.34	297.15	2,763.52	753.25	10,876.69
639.57		31.65	69.32	313.48	35.52	1,394.08
839.13				579.15	202.16	1,396.76
1,021.18						4,836.24
4,744.86						6,461.56
6,617.00	348.00	1,010.00	1,349.00	12,898.00	1,211.00	19,370.53
6,000.00			1,500.00			
134,613.40	2,074.76	8,776.87	17,039.03	157,528.48	16,266.80	300,461.79
5,823.84	1,044.57	1,435.13	974.63	15,641.24	2,772.85	36,003.23
1,348	67	277	394	2,256	311	3,242
237	20	32	77	247	74	454
41	1	6	14	72	7	94
1,626	88	315	485	2,575	392	3,790

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
NIAGARA DIVISION—Concluded

Municipality.....	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population.....	P.V.	785	6,165	718	109,948
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,626.31	3,585.57	58,851.59	3,925.57	775,755.57
Commercial light service.....	1,554.87	3,234.32	11,300.57	3,225.84	380,227.14
Commercial power service.....	1,290.13	4,266.51	70,012.12	2,276.00	847,430.74
Municipal power.....			843.23	556.03	21,880.33
Street lighting.....	594.77	917.70	7,232.68	1,402.80	102,854.50
Merchandise.....					
Miscellaneous.....	180.75	207.08	1.47	456.70	39,493.09
Total earnings.....	6,246.83	12,211.18	148,241.66	11,842.94	2,167,641.37
EXPENSES					
Cost of power supplied by H-E.P.C.....	3,666.93	7,114.51	106,929.85	6,697.00	1,261,850.41
Substation operation.....					42,575.02
Substation maintenance.....			443.94		15,836.62
Distribution system, operation and maintenance.....	231.38	225.88	6,356.36	762.95	62,536.81
Line transformer maintenance.....			100.54	19.10	13,464.53
Meter maintenance.....	23.35	16.63	683.56	125.11	29,663.04
Consumers' premises expenses.....	3.35	15.32	1,355.89	37.75	46,983.01
Street lighting, operation and maintenance.....	82.92	84.69	1,106.37	243.02	35,599.27
Promotion of business.....					7,662.25
Billing and collecting.....	242.89	654.04	2,228.72	504.69	55,474.83
General office, salaries and expenses.....	246.05	271.39	3,603.26	212.90	46,430.96
Undistributed expenses.....	12.79	3.43	408.76	33.07	29,802.30
Truck operation and maintenance.....			514.29		
Interest.....			533.47	56.70	27,838.01
Sinking fund and principal payments on debentures.....			1,879.55	1,031.12	82,025.32
Depreciation.....	470.00	924.00	7,317.00	915.00	150,588.00
Other reserves.....				24.95	100,000.00
Total operating costs and fixed charges.....	4,979.66	9,309.89	133,461.56	10,663.36	2,008,330.38
Net surplus.....	1,267.17	2,901.29	14,780.10	1,179.58	159,310.99
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	137	226	1,655	226	26,784
Commercial light service.....	44	55	174	72	3,125
Power service.....	4	8	30	6	496
Total.....	185	289	1,859	304	30,405

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Woodbridge	Woodstock	Wyoming	York Twp.	Zurich	NIAGARA DIVISION SUMMARY
1,019	12,745	494		P.V.	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,914.53	84,440.90	2,745.27	533,119.40	3,671.76	11,469,689.58
1,931.98	45,000.51	1,334.22	67,803.37	3,271.03	5,057,780.28
9,741.49	106,249.35	181.69	208,337.20		13,559,728.46
740.29	5,348.87		7,817.88		1,824,948.77
945.84	8,305.43	688.50	41,510.81	611.04	1,258,233.20
					16,620.40
211.68	3,183.26	31.82	8,062.79	250.09	660,203.77
22,485.81	252,528.32	4,981.50	866,651.45	7,803.92	33,847,204.46
15,680.26	190,644.21	2,655.32	465,686.10	4,949.39	21,370,870.23
	4,161.47		3,106.13		492,291.32
	333.47		271.45		360,971.59
191.12	3,169.26	184.03	15,664.93	303.66	919,655.47
	6.86		4,727.77		127,915.38
.45	4,554.49	62.35	14,805.27	37.97	353,345.08
236.53	2,378.40		11,901.32		453,522.11
56.14	2,616.30	93.81	8,102.14	69.97	282,412.50
	348.21				165,440.28
	3,849.93	261.31	39,775.72	232.07	965,961.28
756.89	4,804.47	119.11	32,425.05	121.35	880,983.17
	1,981.89	7.80	6,016.25	8.90	412,101.15
	1,328.62				61,308.45
163.72			5,722.55	91.60	744,271.46
498.05			15,691.66	298.40	1,716,747.71
1,083.00	18,027.00	543.00	58,927.00	569.00	2,428,459.72
2,000.00	10,564.53				680,512.68
20,666.16	248,769.11	3,926.73	682,823.34	6,682.31	32,416,769.58
1,819.65	3,759.21	1,054.77	183,828.11	1,121.61	1,430,434.88
310	3,404	165	21,576	148	444,054
48	462	44	888	46	57,015
8	97	2	168		11,167
366	3,963	211	22,632	194	512,236

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION

Municipality	Alliston	Arthur	Barrie	Beaverton	Beeton
Population	1,504	896	10,339	839	514
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	13,731.24	5,841.88	88,254.61	6,876.62	3,698.76
Commercial light service.....	7,872.09	4,716.84	40,520.39	2,151.68	2,116.26
Commercial power service.....	3,198.38	1,220.14	27,037.16	1,230.82	3,466.02
Municipal power.....	1,395.48	440.21	1,823.69		
Street lighting.....	1,846.88	1,323.00	5,743.90	1,101.36	1,135.24
Merchandise.....	3.50		86.55		
Miscellaneous.....	382.50	82.50	340.45	343.29	184.54
Total earnings.....	28,430.07	13,624.57	163,806.75	11,703.77	10,600.82
EXPENSES					
Cost of power supplied by H-E.P.C.	16,731.80	8,441.45	121,419.45	9,186.64	7,484.19
Substation operation.....			857.26		
Substation maintenance.....			224.02		
Distribution system, operation and maintenance.....	1,053.69	571.05	6,316.95	443.16	312.73
Line transformer maintenance.....			499.75	27.00	
Meter maintenance.....	236.88	83.00	866.28	18.75	50.10
Consumers' premises expenses.....	6.20		2,519.37	4.85	
Street lighting, operation and maintenance.....	358.53	211.40	813.00	174.66	190.86
Promotion of business.....			1.25		
Billing and collecting.....	830.35		6,243.65	923.73	157.50
General office, salaries and expenses.....	466.62	621.19	2,755.77	517.95	129.97
Undistributed expenses.....	148.35	22.72	400.06	25.38	
Truck operation and maintenance.....			614.90		
Interest.....	637.97	507.63	403.76	30.97	247.88
Sinking fund and principal payments on debentures.....	1,788.55	1,278.22	1,664.48	619.54	728.14
Depreciation.....	1,833.00	1,368.00	10,411.78	1,589.00	828.00
Other reserves.....	2,169.00		4,060.72		
Total operating costs and fixed charges.....	26,260.94	13,104.66	160,072.45	13,561.63	10,129.37
Net surplus.....	2,169.13	519.91	3,734.30		471.45
Net loss.....				1,857.86	
NUMBER OF CONSUMERS					
Domestic service.....	431	238	2,400	327	143
Commercial light service.....	109	83	404	63	32
Power service.....	15	8	51	7	5
Total.....	555	329	2,855	397	180

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Bradford 992	Brechin P.V.	Cannington 731	Chatsworth 356	Chesley 1,601	Coldwater 549	Collingwood 6,324
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,939.14	1,452.39	5,635.24	2,494.65	10,198.51	3,615.37	36,472.66
3,772.22	531.48	1,838.12	1,231.19	5,581.49	1,182.04	13,631.39
3,620.04	822.07	2,373.03		6,328.58	589.15	38,798.65
416.20				869.01		1,707.76
1,005.78	476.00	1,107.79	533.00	1,977.60	759.00	3,561.22
		13.79				9.24
419.48	15.00	93.81	128.83	33.55	187.60	785.95
16,172.86	3,296.94	11,061.78	4,387.67	24,988.74	6,333.16	94,966.87
8,066.16	2,256.84	6,689.12	2,957.01	18,080.79	4,464.65	82,874.62
						249.44
1,022.95	228.29	387.13	86.62	600.18	127.91	3,108.89
210.12		616.94	36.00	98.51	195.55	18.90
				636.25		471.61
238.12	86.26	192.02	98.85	104.64	94.19	75
518.54		554.71		23.76		211.55
357.10	330.85	530.60	350.22	667.82	594.04	2,069.87
156.38			15.00	614.93	193.70	891.28
297.08				31.60		577.21
495.46	150.21	83.85		69.32		205.51
1,202.86	166.27	741.81			25.23	
1,273.00	183.00	1,018.00	373.00		456.41	
1,100.00				1,703.00	825.00	5,751.00
				1,000.00		
14,937.77	3,401.72	10,814.18	3,916.70	23,630.80	6,976.68	96,430.63
1,235.09		247.60	470.97	1,357.94		
	104.78				643.52	1,463.76
266	53	254	102	455	156	1,650
68	21	60	27	90	51	208
13	3	10		19	1	53
347	77	324	129	564	208	1,911

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Continued

Municipality	Cookstown	Creemore	Dundalk	Durham	Elmvale
Population	P.V.	628	705	1,937	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,607.32	3,522.68	3,694.48	7,253.47	3,824.40
Commercial light service.....	1,326.49	1,738.10	2,945.27	4,729.93	1,529.76
Commercial power service.....	1,232.88	1,460.71	3,596.98	3,833.83	2,890.37
Municipal power.....				631.73	283.61
Street lighting.....	782.00	669.20	984.67	1,383.36	634.32
Merchandise.....					
Miscellaneous.....	253.65	149.02	172.50	411.35	314.06
• Total earnings.....	6,202.34	7,539.71	11,393.90	18,243.67	9,476.52
EXPENSES					
Cost of power supplied by H-E.P.C.	3,334.36	5,646.70	8,604.95	13,581.15	6,164.53
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	215.53	261.40	859.46	643.72	243.07
Line transformer maintenance.....				18.48	
Meter maintenance.....	131.44	15.87	12.95	115.41	172.72
Consumers' premises expenses.....		29.40		2.00	
Street lighting, operation and maintenance.....	124.50	70.60	171.38	222.91	156.07
Promotion of business.....				39.39	
Billing and collecting.....	315.88	246.86		798.78	471.95
General office, salaries and expenses	97.56	45.62	843.37	940.08	218.82
Undistributed expenses.....			26.86	46.68	
Truck operation and maintenance..				485.89	
Interest.....	196.50				
Sinking fund and principal payments on debentures.....	530.98				
Depreciation.....	691.00	553.00	671.00	1,573.00	844.00
Other reserves.....					
Total operating costs and fixed charges.....	5,637.75	6,869.45	11,189.97	18,467.49	8,271.16
Net surplus.....	564.59	670.26	203.93		1,205.36
Net loss.....				223.82	
NUMBER OF CONSUMERS					
Domestic service.....	117	174	205	463	192
Commercial light service.....	30	46	65	98	51
Power service.....	3	3	6	14	8
Total.....	150	223	276	575	251

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Elmwood P.V.	Flesherton 414	Grand Valley 608	Graven- hurst 2,063	Hanover 3,174	Holstein P.V.	Huntsville 2,849
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,239.60	2,060.80	3,466.30	12,141.52	23,340.22	1,089.30	14,484.90
593.89	1,576.28	2,043.83	11,185.02	8,599.09	627.48	10,344.62
1,329.93	732.08	2,561.42	15,270.27	21,946.24	265.24	13,735.66
			885.96	278.60		1,296.06
341.16	591.50	798.86	2,062.42	2,048.16	345.00	2,348.00
			95.62	29.54		139.97
110.19	250.66	242.48	87.50	1,417.06	120.00	348.57
3,614.77	5,211.32	9,112.89	41,728.31	57,658.91	2,447.02	42,697.78
2,664.44	2,350.11	6,076.20	28,333.08	42,701.71	981.68	34,698.58
			59.23			
13.38	310.38	264.76	1,831.51	1,710.81	106.43	1,935.91
			348.20	199.94		4.00
	74.56		374.58	509.90	5.00	561.98
	7.00		22.97	413.91		32.64
33.91	102.56	115.70	243.15	213.01	35.06	843.25
			1,114.97	1,530.18		1,673.41
279.91	439.78	814.23	885.81	1,394.73	184.83	1,632.57
	9.93	10.79	629.57	323.79		997.41
			180.77	362.46		219.85
	71.21					
	309.07					
309.00	470.00	847.00	3,193.00	4,809.40	174.00	1,867.00
			2,200.00	1,500.00		
3,300.64	4,144.60	8,128.68	39,416.84	55,669.84	1,487.00	44,466.60
314.13	1,066.72	984.21	2,311.47	1,989.07	960.02	
						1,768.82
70	126	187	589	833	62	734
20	46	51	97	127	12	131
1	2	6	16	23	2	12
91	174	244	702	983	76	877

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Continued

Municipality.....	Kin- cardine 2,134	Kirkfield P.V.	Lucknow 907	Markdale 771	Meaford 2,676
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	15,633.96	961.37	6,295.13	3,973.43	15,000.37
Commercial light service.....	7,749.32	950.45	6,474.24	3,277.03	8,429.20
Commercial power service.....	11,529.88		9,588.64	2,412.87	9,151.31
Municipal power.....	1,530.03		482.81	120.75	1,013.68
Street lighting.....	3,738.76	345.60	1,218.00	850.80	3,094.88
Merchandise.....	23.47				19.05
Miscellaneous.....	513.19	36.00	1.42	235.03	490.00
Total earnings.....	40,718.61	2,293.42	24,060.24	10,869.91	37,198.49
EXPENSES					
Cost of power supplied by H-E.P.C.	27,269.49	1,282.90	15,907.78	6,196.66	23,286.58
Substation operation.....	399.01				
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,630.76	193.22	340.37	151.57	2,173.57
Line transformer maintenance.....	104.32				54.16
Meter maintenance.....	311.29		140.97	93.39	198.62
Consumers' premises expenses.....	2.58				18.57
Street lighting, operation and main- tenance.....	394.43	78.68	158.10	43.00	383.97
Promotion of business.....					
Billing and collecting.....	1,204.61				893.61
General office, salaries and expenses	785.03	170.29	1,406.36	876.66	951.94
Undistributed expenses.....	279.40				544.89
Truck operation and maintenance..	45.63				232.61
Interest.....				104.25	240.14
Sinking fund and principal payments on debentures.....				549.59	4,155.60
Depreciation.....	3,180.00	311.00	1,203.00	868.00	1,981.00
Other reserves.....	2,100.00		2,400.00		
Total operating costs and fixed charges.....	38,706.55	2,036.09	21,561.58	8,883.12	35,115.26
Net surplus.....	2,012.06	257.33	2,498.66	1,986.79	2,033.23
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	720	36	285	241	748
Commercial light service.....	113	18	88	70	153
Power service.....	17		8	9	19
Total.....	850	54	381	320	920

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Midland 6,579	Mildmay 737	Mount Forest 1,787	Neustadt 433	Orangeville 2,386	Owen Sound 13,591	Paisley 615
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
38,578.26	3,963.27	9,275.39	2,372.78	16,224.41	68,415.76	4,080.90
17,548.49	2,683.69	6,913.21	1,068.08	9,475.71	45,331.47	2,239.56
75,240.24	1,084.72	5,890.77	704.59	6,588.86	75,567.65	855.37
2,872.75		1,023.34		964.45		
5,832.36	574.50	1,990.00	601.07	2,338.60	10,663.16	1,068.40
686.04		7.04		118.44	494.67	
1,917.36	241.16	247.10	351.69	598.60	79.00	119.60
142,675.50	8,547.34	25,346.85	5,098.21	36,309.07	200,551.71	8,363.83
116,287.41	5,070.92	19,394.75	1,798.16	28,328.48	159,187.91	4,735.58
2,412.13					4,724.01	
51.11						
4,039.07	516.93	669.99	109.05	1,509.02	4,010.69	436.02
68.91				57.27	710.48	
522.12	41.48	172.15	34.65	451.74	2,382.05	22.65
252.17	135.52			135.72	3.40	
767.24	91.07	280.94	13.85	314.95	981.26	108.45
1,979.98		668.04		1,683.33	5,276.86	
1,628.76	352.17	166.45	384.27	440.61	6,792.68	676.49
1,191.88	9.27	41.25		178.33	2,392.77	
491.47		106.57			1,189.64	
	379.78	220.99				69.77
	665.00	1,083.52				1,269.10
14,008.00	349.00	1,855.00	778.00	2,817.00	10,115.00	688.00
143,700.25	7,611.14	24,659.65	3,117.98	35,916.45	197,766.75	8,006.06
	936.20	687.20	1,980.23	392.62	2,784.96	357.77
1,024.75						
1,615	177	471	104	748	3,589	201
191	55	132	23	151	532	48
54	2	16	2	27	124	3
1,860	234	619	129	926	4,245	252

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Continued

Municipality.....	Penetan- guishene 3,843	Port Elgin 1,329	Port McNicol 964	Port Perry 1,216	Price- ville P.V.
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	14,163.76	11,952.82	4,391.07	8,711.40	779.72
Commercial light service.....	8,357.61	5,533.43	693.56	3,168.13	205.25
Commercial power service.....	19,690.50	3,315.21	3.33	2,263.47	105.09
Municipal power.....	1,990.18	770.38		370.16	
Street lighting.....	2,215.83	1,964.41	880.00	1,559.28	482.64
Merchandise.....	55.55				
Miscellaneous.....	260.11	248.15	36.45	315.00	26.95
Total earnings.....	46,733.54	23,784.40	6,004.41	16,387.44	1,599.65
EXPENSES					
Cost of power supplied by H-E.P.C.	31,663.24	17,926.99	3,153.45	12,191.41	438.13
Substation operation.....					
Substation maintenance.....	54.27				
Distribution system, operation and maintenance.....	2,310.45	755.24	484.32	729.79	38.33
Line transformer maintenance.....	238.06				
Meter maintenance.....	410.71	168.93	60.00	239.66	
Consumers' premises expenses.....	104.18	121.72			
Street lighting, operation and main- tenance.....	322.72	125.16	119.80	157.85	13.50
Promotion of business.....					
Billing and collecting.....	1,464.77	762.90	655.85	839.62	
General office, salaries and expenses.	1,105.52	263.57	354.78	529.47	99.00
Undistributed expenses.....	116.97	48.49	73.66		
Truck operation and maintenance..	525.03	129.95			
Interest.....		1,089.12		355.91	
Sinking fund and principal payments on debentures.....		2,281.10		1,338.66	
Depreciation.....	4,058.00	1,301.00	537.00	1,217.00	284.00
Other reserves.....	2,200.00				
Total operating costs and fixed charges.....	44,573.92	24,974.17	5,438.86	17,599.37	872.96
Net surplus.....	2,159.62		565.55		726.69
Net loss.....		1,189.77		1,211.93	
NUMBER OF CONSUMERS					
Domestic service.....	757	500	237	377	34
Commercial light service.....	105	106	20	75	8
Power service.....	22	6	1	10	1
Total.....	884	612	258	462	43

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Ripley 361	Rosseau 201	Shelburne 1,044	Southamp- ton 1,597	Stayner 1,172	Sunderland P.V.	Tara 478
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,307.12	2,967.90	5,796.95	11,195.43	5,775.97	3,096.19	3,301.65
1,760.67	812.38	3,479.96	5,568.47	3,318.81	1,329.45	1,567.50
1,662.01		2,912.95	7,382.94	2,737.48	327.25	1,589.09
		335.11	1,040.46	82.83		
882.00	1,175.00	763.80	2,126.90	1,212.00	645.60	821.12
		1.58				
61.39	30.00	369.65	30.83	128.39	51.86	185.22
7,673.19	4,985.28	13,660.00	27,345.03	13,255.48	5,450.35	7,464.58
5,510.39	2,084.24	10,283.47	20,036.37	9,750.37	3,328.12	4,019.80
134.81	199.20	473.47	1,152.58	727.15	211.86	219.91
		25.52	32.90			
	172.36	62.00	261.57	215.65	522.70	196.55
			188.00			
84.57	101.92	165.76	202.48	155.26	144.50	106.36
	258.63	749.20	893.94	598.05	406.84	
455.89	91.75	131.81	533.62	399.60	162.92	565.66
		8.51	60.88	8.75		7.37
			110.59			
344.50	536.34		518.67			
683.71	597.06		1,792.27			
638.00	353.00	1,356.00	1,378.00	1,263.00	426.00	801.00
7,851.87	4,394.50	13,255.74	27,161.87	13,117.83	5,202.94	5,916.65
	590.78	404.26	183.16	137.65	247.41	1,547.93
178.68						
121	73	296	549	344	141	156
47	13	73	93	90	34	34
1		13	12	15	2	5
169	86	382	654	449	177	195

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
GEORGIAN BAY DIVISION—Concluded

Municipality.....	Tees- water 826	Thornton P.V.	Totten- ham 482	Uxbridge 1,425	Victoria Harbour 937
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,156.78	1,617.28	3,829.63	9,787.98	3,631.18
Commercial light service.....	2,666.78	453.65	1,365.34	3,995.56	904.83
Commercial power service.....	811.98	333.70	1,534.92	2,653.88	.....
Municipal power.....	180.00	.....	179.40	491.34	103.71
Street lighting.....	819.00	462.48	798.96	1,560.88	535.00
Merchandise.....	.....	.....	.....	8.55	5.26
Miscellaneous.....	221.37	37.50	15.40	60.00	61.50
Total earnings.....	9,855.91	2,904.61	7,723.65	18,558.19	5,241.48
EXPENSES					
Cost of power supplied by H-E.P.C.	5,503.94	1,487.06	4,873.63	13,439.25	2,669.02
Substation operation.....	.....	.....	.....	.....	.....
Substation maintenance.....	.....	.....	.....	.....	.....
Distribution system, operation and maintenance.....	446.65	129.29	336.50	553.11	177.04
Line transformer maintenance.....	.....	.....	.....	.....	.....
Meter maintenance.....	121.28	.....	19.15	74.68	86.05
Consumers' premises expenses.....	.....	.....	.....	.....	.....
Street lighting, operation and main- tenance.....	144.19	80.02	112.91	152.37	119.26
Promotion of business.....	.....	.....	.....	.....	.....
Billing and collecting.....	.....	.....	365.64	785.98	708.11
General office, salaries and expenses.	678.49	148.61	210.01	534.76	340.11
Undistributed expenses.....	.....	.....	.....	64.04	.....
Truck operation and maintenance.....	.....	.....	.....	.....	.....
Interest.....	.....	.....	163.23	.....	.....
Sinking fund and principal payments on debentures.....	.....	.....	641.72	.....	.....
Depreciation.....	1,043.00	438.00	610.00	992.00	641.00
Other reserves.....	.....	.....	.....	.....	.....
Total operating costs and fixed charges.....	7,937.55	2,282.98	7,332.79	16,596.19	4,740.59
Net surplus.....	1,918.36	621.63	390.86	1,962.00	500.89
Net loss.....	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service.....	231	67	149	413	265
Commercial light service.....	57	11	37	92	29
Power service.....	3	2	8	12	1
Total.....	291	80	194	517	295

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Walkerton 2,619	Waubau- shene P.V.	Wiarton 1,558	Winder- mere 118	Wingham 2,058	Woodville 415	GEORGIAN BAY DIVISION SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
18,944.04	3,106.84	7,687.39	2,569.66	12,812.87	2,227.49	595,522.21
10,410.98	686.10	7,050.21	813.65	8,075.69	825.20	317,568.61
9,747.33	140.49	1,903.53	133.10	11,244.44	545.98	427,193.22
529.91	139.00	1,640.51	.....	1,095.80	.....	26,984.91
2,752.27	439.82	1,994.40	325.00	3,256.38	579.18	94,127.50
578.37	.....	.....	.....	272.59	.....	2,648.82
180.91	.....	586.73	77.00	323.56	218.90	15,231.56
43,143.81	4,512.25	20,862.77	3,918.41	37,081.33	4,396.75	1,479,276.83
29,889.42	3,419.47	10,947.55	1,821.40	27,138.47	2,843.15	1,076,955.17
.....	.....	.....	.....	2,076.80	.....	10,718.65
.....	.....	.....	.....	.....	.....	388.63
1,569.18	43.49	503.96	41.72	2,686.71	350.57	53,711.50
164.26	.....	.....	.....	32.80	.....	2,604.95
369.87	112.75	410.04	.....	391.94	110.88	13,236.03
133.95	.....	.....	.....	170.38	.....	4,941.53
257.15	91.89	234.19	64.30	336.77	132.12	12,147.17
.....	.....	.....	.....	.....	.....	64.40
1,234.47	292.60	820.16	.....	838.12	415.81	42,509.36
1,554.96	256.97	712.67	193.37	1,072.80	114.41	40,679.95
173.72	.....	201.55	.....	462.37	.....	9,285.83
159.50	.....	156.97	.....	.....	.....	5,583.74
1,796.60	18.24	1,159.37	382.19	1,365.67	49.78	11,645.22
3,253.68	.....	1,842.39	646.03	1,802.17	247.27	32,340.20
2,005.00	468.00	1,102.00	442.00	4,073.00	303.00	107,044.18
.....	.....	1,300.00	.....	.....	.....	20,029.72
42,566.76	4,703.41	19,390.85	3,591.01	42,448.00	4,566.99	1,443,886.23
577.05	.....	1,471.92	327.40	.....	.....	35,390.60
.....	191.16	.....	.....	5,366.67	170.24	.....
648	230	420	62	578	115	25,961
131	21	103	14	145	19	4,921
21	3	14	1	22	2	739
836	254	537	77	745	136	31,621

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION

Municipality.....	Alex- andria 1,975	Apple Hill P.V.	Arnprior	Athens	Bath
Population.....			4,027	641	293
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,102.66	1,472.72	20,225.36	3,254.64	2,466.46
Commercial light service.....	4,231.68	919.61	9,551.43	1,527.24	605.88
Commercial power service.....	2,526.30	483.04	17,167.47	996.74	.....
Municipal power.....	913.69	.....	2,566.81	.....	.....
Street lighting.....	1,769.03	478.50	2,989.26	1,065.26	385.56
Merchandise.....	.....	.....	.....	.....	.....
Miscellaneous.....	856.23	83.12	720.68	175.25	.....
Total earnings.....	17,399.59	3,436.99	53,221.01	7,019.13	3,457.90
EXPENSES					
Cost of power supplied by H-E.P.C.	7,680.90	1,655.02	30,330.26	4,396.27	1,882.95
Substation operation.....	.....	.....	.....	.....	.....
Substation maintenance.....	.....	.....	.....	.....	.....
Distribution system, operation and maintenance.....	2,006.22	98.65	862.55	176.66	126.07
Line transformer maintenance.....	56.20	.....	178.39	36.98	.....
Meter maintenance.....	129.89	13.15	263.60	23.09	49.96
Consumers' premises expenses.....	.....	.....	312.49	.....	.....
Street lighting, operation and main- tenance.....	180.82	27.60	222.71	59.39	32.40
Promotion of business.....	.....	.....	14.00	.....	.....
Billing and collecting.....	699.61	230.90	2,576.32	263.77	171.25
General office, salaries and expenses	1,142.16	82.39	2,489.82	65.60	120.06
Undistributed expenses.....	38.66	.....	6.99	1.71	.....
Truck operation and maintenance...	211.79	.....	.....	.....	.....
Interest.....	.....	4.89	1,040.00	324.78	260.18
Sinking fund and principal payments on debentures.....	.....	82.29	2,839.07	849.64	367.42
Depreciation.....	1,925.00	245.00	1,356.00	663.00	282.00
Other reserves.....	.....	.....	5,000.00	.....	.....
Total operating costs and fixed charges.....	14,071.25	2,439.89	47,492.20	6,860.89	3,292.29
Net surplus.....	3,328.34	997.10	5,728.81	158.24	165.61
Net loss.....	.....	.....	.....	.....	.....
NUMBER OF CONSUMERS					
Domestic service.....	404	66	863	183	57
Commercial light service.....	92	22	141	45	9
Power service.....	14	2	19	1	..
Total.....	510	90	1,023	229	66

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Belleville 14,969	Bloomfield 581	Bowman- ville 3,800	Brighton 1,517	Brockville 10,463	Cardinal 1,633	Carleton Place 3,865
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
99,125.69	3,628.71	33,002.30	11,580.16	63,192.56	8,479.05	22,192.33
53,305.95	2,291.18	10,199.49	4,110.95	25,940.63	2,245.37	8,280.46
53,900.72	1,395.87	59,546.76	6,707.17	48,546.96	347.10	27,044.84
4,041.97				6,690.31		1,487.95
10,023.60	743.06	3,587.67	1,986.96	8,776.00	920.00	4,806.52
1,333.26				589.80		
3,041.51	150.00	1,899.28	285.61	5,510.38	172.50	1,671.72
224,772.70	8,208.82	108,235.50	24,670.85	159,246.64	12,164.02	65,483.82
178,620.03	4,725.78	76,706.76	12,286.01	121,086.90	7,949.38	48,129.93
2,061.61		84.49		5,880.78		144.47
				1,408.18		
2,129.49	189.11	3,417.51	1,696.80	2,476.48	868.05	1,389.77
309.00	58.00	146.29	67.98	229.22		133.48
1,064.43	10.71	617.48	145.48	1,831.84	81.52	643.99
1,561.61			113.74			787.74
1,952.40	115.71	407.47	274.27	746.37	96.46	541.69
		90.27	61.51			12.76
3,776.00	281.82	2,809.82	745.56	3,411.50	495.94	1,777.59
7,220.62	63.97	3,305.47	1,498.63	5,754.30	300.34	3,523.22
1,877.73		616.35	159.13	1,394.66	33.15	435.20
535.63		386.09	383.80	617.57		557.02
	171.53		251.80		375.59	857.37
	409.72		1,580.74		814.68	2,048.59
10,488.00	666.00	3,230.00	907.00	2,966.00	604.00	2,914.00
7,000.00			2,000.00			
218,596.55	6,692.35	91,818.00	22,172.45	147,803.80	11,619.11	63,896.82
6,176.15	1,516.47	16,417.50	2,498.40	11,442.84	544.91	1,587.00
3,849	177	1,199	558	3,035	388	1,067
645	41	155	95	392	53	176
106	8	26	10	73	2	18
4,600	226	1,380	663	3,500	443	1,261

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality	Chester- ville 1,071	Cobden 595	Cobourg 5,560	Colborne 916	Deseronto 1,052
Population					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service	4,985.23	2,660.31	38,669.07	6,585.57	8,015.34
Commercial light service	3,471.01	2,207.64	19,175.61	2,900.07	3,350.93
Commercial power service	2,642.49	365.77	26,347.53	863.90	995.42
Municipal power			2,192.22	205.02	805.20
Street lighting	1,053.15	703.00	5,312.76	1,260.00	1,631.00
Merchandise	61.07		58.65	1,243.01	
Miscellaneous	467.55	139.86	946.78	148.74	206.53
Total earnings	12,680.50	6,076.58	92,702.62	13,206.31	15,004.42
EXPENSES					
Cost of power supplied by H-E.P.C.	8,692.27	3,758.97	63,991.56	6,632.75	7,879.91
Substation operation					
Substation maintenance					
Distribution system, operation and maintenance	827.87	133.20	1,868.92	928.62	2,082.39
Line transformer maintenance			245.30	21.21	72.20
Meter maintenance	103.05	26.65	1,040.30	157.87	120.52
Consumers' premises expenses	18.50		242.98		
Street lighting, operation and main- tenance	57.25	53.15	1,306.20	160.13	354.81
Promotion of business			7.62		242.91
Billing and collecting	565.64	378.97	3,989.26	1,053.81	915.69
General office, salaries and expenses	512.80	95.09	3,487.68	828.93	962.29
Undistributed expenses			829.44	71.29	182.20
Truck operation and maintenance			282.62	262.25	353.37
Interest		211.78	1,802.04	474.99	
Sinking fund and principal payments on debentures		688.22	5,478.73	688.92	
Depreciation	777.00	189.00	5,184.00	476.00	576.00
Other reserves			1,500.00		
Total operating costs and fixed charges	11,554.38	5,540.03	91,260.65	11,756.77	13,742.29
Net surplus	1,126.12	536.55	1,441.97	1,449.54	1,262.13
Net loss					
NUMBER OF CONSUMERS					
Domestic service	232	154	1,426	278	380
Commercial light service	74	48	235	72	67
Power service	4	1	46	5	7
Total	310	203	1,707	355	454

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Finch	Hastings	Havelock	Iroquois	Kemptville	Kingston	Lakefield
393	719	907	1,037	1,140	30,569	1,314
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,418.60	4,174.41	4,483.86	6,234.25	8,112.99	212,401.40	7,017.32
1,616.32	2,239.62	2,076.85	3,419.11	4,891.16	131,032.57	4,593.58
194.69	197.60	2,133.42	527.80	3,814.83	142,507.91	5,368.35
			884.82		12,513.25	
464.28	1,133.96	1,266.00	750.66	1,682.31	20,296.92	1,604.20
			270.16	689.51		
203.81	257.30	599.49	199.04	1,210.20	6,727.89	358.76
4,897.70	8,002.89	10,559.62	12,285.84	20,401.00	525,479.94	18,942.21
3,642.88	4,004.80	5,384.11	5,714.14	11,682.92	344,394.03	8,896.60
					6,140.37	
					1,332.57	
196.25	680.10	774.62	1,195.98	1,131.21	11,033.68	972.11
	95.76		13.05	145.59	1,222.24	
10.95	60.17	60.94	42.92	90.48	3,898.49	104.39
				6.25	2,200.47	
82.68	64.57	189.84	192.18	107.45	3,610.53	184.74
					243.92	
233.91	362.29	689.76	567.55	1,248.52	7,959.01	611.10
126.57	235.34	325.15	467.84	572.06	14,352.78	799.98
	17.06		46.13	59.89	7,925.27	60.90
		200.07		219.70	2,351.59	142.02
180.89	672.43			676.69	839.20	1,015.29
456.04	1,085.34			1,139.53	2,703.00	1,550.07
376.00	739.00	1,184.00	512.00	1,441.00	37,582.00	1,508.00
					66,049.38	
5,306.17	8,016.86	8,808.49	8,751.79	18,521.29	513,838.53	15,845.20
		1,751.13	3,534.05	1,879.71	11,641.41	3,097.01
408.47	13.97					
116	228	291	259	377	7,683	349
34	49	51	77	81	1,027	71
1	3	2	3	5	163	8
151	280	344	339	463	8,873	428

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality.....	Lanark	Lancaster	Lindsay	Madoc	Marmora
Population.....	692	573	7,783	1,106	933
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,892.65	2,016.36	47,617.60	5,552.39	4,658.13
Commercial light service.....	1,473.40	1,164.03	27,657.43	3,593.11	2,061.47
Commercial power service.....			62,804.82	1,494.25	206.10
Municipal power.....			3,761.42		
Street lighting.....	524.80	436.24	5,972.58	1,015.00	1,298.00
Merchandise.....					39.08
Miscellaneous.....	208.18	7.45	2,550.50	300.40	123.48
Total earnings.....	5,099.03	3,624.08	150,364.35	11,955.15	8,386.26
EXPENSES					
Cost of power supplied by H-E.P.C.	2,981.45	1,930.08	112,571.09	7,977.48	4,356.37
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	126.29	89.97	2,541.86	570.92	723.99
Line transformer maintenance.....			941.15	26.09	
Meter maintenance.....	39.00	13.74	1,138.07	159.77	23.16
Consumers' premises expenses.....			996.12		
Street lighting, operation and maintenance.....	90.66	25.09	2,342.69	130.80	153.32
Promotion of business.....			102.45		
Billing and collecting.....		188.48	4,121.73	624.80	967.95
General office, salaries and expenses	457.24	66.64	6,995.19	456.49	327.74
Undistributed expenses.....			1,684.15	21.06	51.32
Truck operation and maintenance.....			659.37		
Interest.....			2,440.99		
Sinking fund and principal payments on debentures.....			7,784.17		
Depreciation.....	423.00	378.00	5,934.00	524.00	697.00
Other reserves.....					
Total operating costs and fixed charges.....	4,117.64	2,692.00	150,253.03	10,491.41	7,300.85
Net surplus.....	981.39	932.08	111.32	1,463.74	1,085.41
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	171	109	2,131	313	248
Commercial light service.....	39	29	328	88	38
Power service.....			70	5	1
Total.....	210	138	2,529	406	287

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Martintown P.V.	Maxville 802	Millbrook 734	Morris- burg 1,528	Napanee 3,269	Newcastle 767	Norwood 694
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
795.12	3,327.43	4,546.92	9,572.24	27,775.72	5,847.99	5,054.47
922.24	2,525.80	1,930.42	5,331.03	16,616.78	2,308.66	2,167.36
.....	.....	881.36	3,025.39	11,525.43	2,468.78	563.67
.....	.....	.....	466.73	120.00	.....	.....
159.70	1,050.12	733.38	1,853.33	3,751.94	621.78	1,458.00
.....	.....	.....	.....	1,797.91	.....	.....
83.10	188.61	53.54	348.67	382.35	85.72	706.69
.....
1,960.16	7,091.96	8,145.62	20,597.39	61,970.13	11,332.93	9,950.19
.....
1,180.76	3,585.42	2,898.68	8,269.73	37,017.24	5,409.82	4,189.07
.....	.....	.....	2,075.08	.....	.....	.....
.....
132.62	503.94	251.63	1,901.44	2,669.12	604.69	486.98
.....	29.45	135.16	75.09	61.02	.....	.....
5.53	139.27	244.21	101.72	443.47	266.85	76.29
.....	.....	3.85	.....	868.95	.....	.....
.....
20.00	272.70	163.25	142.81	678.47	108.12	119.73
.....
190.93	392.51	829.30	790.92	2,400.80	645.80	540.71
26.24	49.02	801.97	486.96	7,640.36	310.43	363.10
.....	5.56	.....	120.85	2,514.82	20.37	27.49
.....	.....	.....	235.06	.....	.....	273.77
.....	.....	170.37	807.17	59.78	.....	917.35
.....
.....	.....	461.05	4,486.66	.....	.....	1,837.34
.....
199.00	714.00	220.00	816.00	2,575.00	905.00	1,404.00
.....	.....	.....	.....	2,500.00	.....	.....
.....
1,755.08	5,691.87	6,179.47	20,309.49	59,429.03	8,271.08	10,235.83
.....
205.08	1,400.09	1,966.15	287.90	2,541.10	3,061.85	.....
.....
.....	.....	.....	.....	.....	.....	285.64
.....
.....
55	171	180	413	889	223	235
25	48	60	107	201	33	57
.....	.....	3	15	25	5	3
.....
80	219	243	535	1,115	261	295

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Continued

Municipality.....	Omemeë	Orono	Oshawa	Ottawa	Perth
Population.....	464	P.V.	26,843	158,581	4,154
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,417.39	4,668.31	235,971.79	642,772.53	27,157.92
Commercial light service.....	890.85	2,174.83	69,448.75	278,762.16	14,312.28
Commercial power service.....	2,954.66	55.62	314,792.08	67,195.46	16,125.91
Municipal power.....			9,841.76	22,830.11	1,112.55
Street lighting.....	986.04	700.08	11,578.00	81,738.17	2,745.00
Merchandise.....					2,797.25
Miscellaneous.....	154.10	60.00	9,049.50	8,555.40	3,389.28
Total earnings.....	8,403.04	7,658.84	650,681.88	1,101,853.83	67,640.19
EXPENSES					
Cost of power supplied by H-E.P.C.	5,572.26	3,110.31	497,874.56	557,463.59	45,212.51
Substation operation.....			187.01	33,493.04	412.74
Substation maintenance.....				2,753.76	
Distribution system, operation and maintenance.....	761.66	432.62	11,454.36	27,447.65	1,853.67
Line transformer maintenance.....	9.30	42.87	184.49	2,785.78	189.07
Meter maintenance.....	64.66	347.65	6,623.62	13,759.31	360.18
Consumers' premises expenses.....			13,129.94	4,088.68	30.35
Street lighting, operation and maintenance.....	164.90	72.05	1,834.86	32,429.78	400.12
Promotion of business.....			521.64	2,435.96	72.40
Billing and collecting.....		557.76	16,119.12	54,058.46	2,055.71
General office, salaries and expenses	319.73	361.53	10,323.70	29,857.30	3,840.37
Undistributed expenses.....		20.71	6,030.64	20,293.71	556.85
Truck operation and maintenance..				4,126.54	698.05
Interest.....		110.20	2,890.04	19,607.15	2,005.20
Sinking fund and principal payments on debentures.....		877.67	18,000.00	11,278.62	3,257.82
Depreciation.....	997.00	197.00	15,898.00	113,225.00	5,002.00
Other reserves.....			25,000.00	59,619.84	
Total operating costs and fixed charges.....	7,889.51	6,130.37	626,071.98	988,724.17	65,947.04
Net surplus.....	513.53	1,528.47	24,609.90	113,129.66	1,693.15
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	173	181	6,616	15,415	1,072
Commercial light service.....	29	37	699	1,444	195
Power service.....	6	1	112	204	28
Total.....	208	219	7,427	17,063	1,295

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1943

Peter- borough 27,776	Picton 3,383	Port Hope 4,910	Prescott 3,283	Richmond 437	Russell P.V.	Smiths Falls 7,468
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
204,455.10	27,008.64	32,336.31	22,045.44	2,368.83	2,857.22	52,559.72
84,858.59	15,025.77	13,106.47	9,825.86	1,297.83	1,282.69	15,540.42
156,513.26	4,564.58	36,065.52	10,956.35			29,179.09
6,892.05	2,052.95	1,629.58	1,368.98			225.00
20,812.94	3,574.55	3,949.44	3,542.00	390.00	848.00	7,070.32
	1,953.40	130.80				
6,790.40	1,235.24	749.54	14	5.01	177.50	3,814.08
480,322.34	55,415.13	87,967.66	47,738.77	4,061.67	5,165.41	108,388.63
301,153.24	40,939.15	71,745.34	36,161.44	2,681.32	2,751.65	68,199.53
7,304.70			1,630.43			448.51
1,824.49		48.40				375.13
10,637.35	622.61	1,212.77	3,178.84	222.64	331.98	3,317.30
1,960.51	75.78	137.99	145.81			150.52
6,992.72	408.18	1,200.64	313.11	47.10	56.32	1,195.61
27,873.44	52	542.79	424.42		16.40	3,385.58
5,852.27	95.97	1,347.92	890.55	61.82	88.56	467.02
52.50						102.39
9,749.03	1,625.55	2,818.65	1,303.84	199.73	364.43	3,881.97
6,360.42	2,495.33	4,092.52	2,629.53	43.90	118.57	2,857.06
7,134.68	400.32	1,159.30	728.96			2,187.08
3,057.18	359.01	240.77				695.30
22,081.51				167.20	124.17	
9,071.38				399.50	712.62	
25,593.00	2,732.00	3,475.00	3,838.00	306.00	398.00	7,737.00
400.00	2,500.00					
447,098.42	52,254.42	88,022.09	51,244.93	4,129.21	4,962.70	95,000.05
33,223.92	3,160.71				202.71	13,388.58
		54.43	3,506.16	67.54		
6,683	1,311	1,430	809	84	118	1,984
915	194	189	145	22	30	253
170	33	38	21			40
7,768	1,538	1,657	975	106	148	2,282

STATEMENT

Detailed Operating Reports of Electrical Departments of

SOUTHERN ONTARIO SYSTEM
EASTERN ONTARIO DIVISION—Concluded

Municipality	Stirling	Trenton	Tweed	Wark- worth P.V.	Wellington 1,076
Population	939	9,387	1,250		
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service	6,032.07	50,420.76	6,641.00	2,242.43	6,357.68
Commercial light service	3,299.71	23,931.52	4,160.31	1,261.33	2,885.31
Commercial power service	1,315.20	82,015.24	3,926.01	95.56	1,693.88
Municipal power	276.71	4,571.45	344.72		
Street lighting	1,548.12	8,184.93	1,721.40	577.60	1,048.02
Merchandise	109.65	42.89	57.99		
Miscellaneous	415.26	1,958.97	311.21	170.50	300.00
Total earnings	12,996.72	171,125.76	17,162.64	4,347.42	12,284.89
EXPENSES					
Cost of power supplied by H-E.P.C.	7,427.31	118,733.42	9,921.14	2,495.98	7,972.52
Substation operation					
Substation maintenance	269.73	212.52			
Distribution system, operation and maintenance	652.16	1,790.63	595.00	61.55	678.09
Line transformer maintenance		114.65	11.25		
Meter maintenance	72.76	2,576.55	21.17	10.00	
Consumers' premises expenses	32.05	1,228.60			15.60
Street lighting, operation and main- tenance	248.78	862.37	357.19	19.75	86.43
Promotion of business		4.20			
Billing and collecting	549.49	3,780.88	1,063.67	162.85	466.56
General office, salaries and expenses	1,115.51	6,456.45	407.67	64.20	209.54
Undistributed expenses	61.17	2,176.66	9.84		290.45
Truck operation and maintenance	174.32	641.07			
Interest		522.94	106.27	401.99	246.63
Sinking fund and principal payments on debentures		8,403.99	1,744.92	397.15	524.82
Depreciation	1,053.00	6,974.00	733.00	315.00	1,057.00
Other reserves		8,000.00			
Total operating costs and fixed charges	11,656.28	162,478.93	14,971.12	3,928.47	11,547.64
Net surplus	1,340.44	8,646.83	2,191.52	418.95	737.25
Net loss					
NUMBER OF CONSUMERS					
Domestic service	284	1,786	307	136	341
Commercial light service	72	262	81	40	63
Power service	10	55	13	1	5
Total	366	2,103	401	177	409

"B"—Continued

Hydro Municipalities for Year Ended December 31, 1943

Westport 636	Whitby 4,531	Williamsburg P.V.	Winchester 1,029	EASTERN ONTARIO DIVISION SUMMARY	SOUTHERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,870.33	33,406.95	1,612.70	6,647.83	2,075,988.96	14,141,200.75
2,568.24	12,360.72	1,822.11	3,741.08	934,492.90	6,309,841.79
.....	17,611.50	148.80	2,061.86	1,234,863.06	15,221,784.74
.....	1,884.33	.....	.....	89,679.58	1,941,613.26
999.00	4,582.80	247.32	844.27	251,252.53	1,603,613.23
.....	.....	.....	.....	11,174.43	30,443.65
231.82	1,024.00	716.18	469.93	70,648.98	746,084.31
7,669.39	70,870.30	4,547.11	13,764.97	4,668,100.44	39,994,581.73
4,375.62	39,427.14	2,658.11	9,630.84	2,997,999.30	25,445,824.70
.....	361.33	.....	.....	60,224.56	563,234.53
.....	.....	.....	.....	8,224.83	369,585.05
409.42	5,114.91	63.39	463.69	119,168.05	1,092,535.02
.....	355.15	.....	.....	10,462.02	140,982.35
73.64	876.73	36.45	75.05	48,354.40	414,935.51
.....	1,403.72	28.70	7.37	59,320.86	517,784.50
34.05	983.78	30.00	110.82	61,712.45	356,272.12
.....	.....	.....	.....	3,964.53	169,469.21
623.14	3,255.82	.....	583.94	150,730.12	1,159,200.76
435.62	2,263.03	583.53	305.84	141,455.82	1,063,118.94
17.22	681.20	.....	.....	59,950.17	481,337.15
.....	930.05	.....	.....	18,598.01	85,490.20
472.64	645.64	.....	85.16	63,021.85	818,938.53
775.24	3,316.15	.....	688.54	96,799.64	1,845,887.55
315.00	4,280.00	324.00	893.00	286,921.00	2,822,424.90
.....	.....	.....	.....	179,569.22	880,111.62
7,531.59	63,894.65	3,724.18	12,844.25	4,366,476.83	38,227,132.64
137.80	6,975.65	822.93	920.72	301,623.61	1,767,449.09
.....
142	1,029	96	302	69,056	539,071
45	157	34	88	9,804	71,740
.....	29	1	3	1,424	13,330
187	1,215	31	393	80,284	624,141

STATEMENT

Detailed Operating Reports of Electrical Departments of

THUNDER BAY SYSTEM
NORTHERN ONTARIO DISTRICTS

Municipality.....	Fort William 29,061	Nipigon Twp..	Port Arthur 24,424	THUNDER BAY SYSTEM SUMMARY
Population.....				
EARNINGS				
Domestic service.....	265,034.63	4,831.40	152,656.13	422,522.16
Commercial light service.....	104,815.15	4,048.03	86,178.99	195,042.17
Commercial power service.....	72,139.03	697.97	300,623.58	373,460.58
Municipal power.....	35,931.50	430.74	34,993.67	71,355.91
Street lighting.....	20,268.93	753.00	19,978.30	41,000.23
Merchandise.....				
Miscellaneous.....	2,100.14	210.41	23,872.51	26,183.06
Total earnings.....	500,289.38	10,971.55	618,303.18	1,129,564.11
EXPENSES				
Cost of power supplied by H-E.P.C..	297,585.35	5,026.69	406,860.23	709,472.27
Substation operation.....	9,334.73		28,417.61	37,752.34
Substation maintenance.....	244.47		885.57	1,130.04
Distribution system, operation and maintenance.....	6,555.52	590.38	15,812.20	22,958.10
Line transformer maintenance.....	1,171.61	2.50	993.68	2,167.79
Meter maintenance.....	9,439.34	92.39	7,778.77	17,310.50
Consumers' premises expenses.....	9,414.66			9,414.66
Street lighting, operation and maintenance.....	6,421.26	108.03	5,813.21	12,342.50
Promotion of business.....	82.95		2,138.03	2,220.98
Billing and collecting.....	14,149.10		14,715.15	28,864.25
General office, salaries and expenses.	15,101.31	730.88	12,508.14	28,340.33
Undistributed expenses.....	6,417.79	18.45	10,265.99	16,702.23
Truck operation and maintenance..	3,353.24		1,283.68	4,636.92
Interest.....	13,875.00	95.91		13,970.91
Sinking fund and principal payments on debentures.....	5,254.84	775.94		6,030.78
Depreciation.....	20,514.00	797.00	31,590.06	52,901.06
Other reserves.....	14,000.00	1,000.00	3,500.00	18,500.00
Total operating costs and fixed charges.....	432,915.17	9,238.17	542,562.32	984,715.66
Net surplus.....	67,374.21	1,733.38	75,740.86	144,848.45
Net loss.....				
NUMBER OF CONSUMERS				
Domestic service.....	7,124	240	6,012	13,376
Commercial light service.....	1,019	49	888	1,956
Power service.....	115	5	113	233
Total.....	8,258	294	7,013	15,565

"B"—Concluded

Hydro Municipalities for Year Ended December 31, 1943

Capreol 1,663	North Bay 15,933	Sioux Lookout 1,734	Sudbury 34,020	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,483.39	103,312.99	17,659.27	239,502.92	369,958.57	14,933,681.48
3,563.08	64,249.56	11,844.99	128,807.02	208,464.65	6,713,348.61
.....	50,199.47	1,386.18	40,442.34	92,027.99	15,687,273.31
739.98	7,069.76	.....	10,248.21	18,057.95	2,031,027.12
1,260.00	10,875.90	1,812.50	27,587.43	41,535.83	1,686,149.29
.....	856.63	.....	.....	856.63	31,300.28
202.50	5,852.90	.....	3,847.27	9,902.67	782,170.04
15,248.95	242,417.21	32,702.94	450,435.19	740,804.29	41,864,950.13
7,321.45	132,976.50	25,689.40	266,593.00	432,580.35	26,587,877.32
.....	1,459.83	.....	9,780.31	11,240.14	612,227.01
82.65	.....	.....	.....	82.65	370,797.74
1,686.85	7,443.52	834.97	18,262.38	28,227.72	1,143,720.84
10.44	760.73	145.73	1,027.84	1,944.74	145,094.88
257.58	3,564.47	127.53	7,111.68	11,061.26	443,307.27
.....	255.15	.....	356.05	611.20	527,810.36
605.65	2,125.26	445.13	8,614.84	11,790.88	380,405.50
.....	57.08	35.00	111.87	203.95	171,894.14
1,216.75	9,726.08	3,007.85	24,169.94	38,120.62	1,226,185.63
1,154.11	8,700.79	931.60	15,088.52	25,875.02	1,117,334.29
69.40	4,314.34	88.95	7,936.27	12,408.96	510,448.34
208.09	333.54	238.56	3,923.02	4,703.21	94,830.33
.....	6,414.49	.....	4,837.55	11,252.04	844,161.48
.....	9,000.00	.....	10,201.48	19,201.48	1,871,119.81
931.00	16,820.00	469.00	21,850.00	40,070.00	2,915,395.96
.....	20,000.00	100.00	33,000.00	53,100.00	951,711.62
13,543.97	223,951.78	32,113.72	432,864.75	702,474.22	39,914,322.52
1,704.98	18,465.43	589.22	17,570.44	38,330.07	1,950,627.61
.....
338	3,364	475	8,485	12,662	565,109
46	666	96	1,061	1,869	75,565
1	87	2	108	198	13,761
385	4,117	573	9,654	14,729	654,435

STATEMENT "C"

Street Lighting Installation in Hydro Municipalities

Due to restrictions and changes resulting from orders of the Dominion Power Controller and economies effected by municipal co-operative action, statistics relating to Street Lighting are not presented in this year's Annual Report

STATEMENT "D"

(pages 296 to 313)

**Statistics relating to the Supply of Electrical Energy to Consumers
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1943**

STATEMENT "E"

(pages 314 to 331)

**Cost of Power to Municipalities and Rates to Consumers for
Domestic Service—Commercial Light Service—Power Service
in Ontario Urban Municipalities Served by
The Hydro-Electric Power Commission
for the year 1943**

STATEMENT "D"**Statistics Relating to the Supply of Electrical Energy to
Consumers in Urban Municipalities Served by
The Hydro-Electric Power Commission**

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the systems of municipalities.

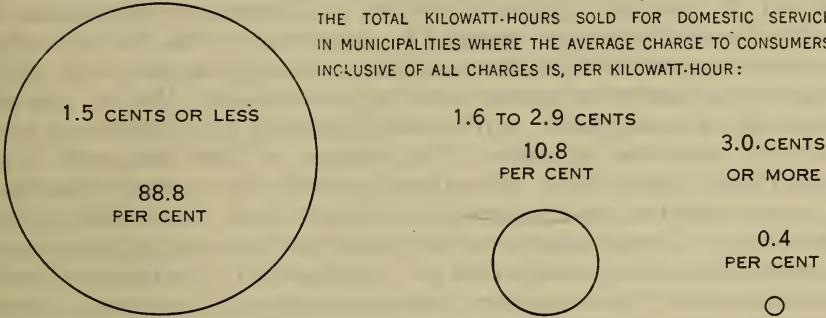
It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

COST OF ELECTRICAL SERVICE
IN MUNICIPALITIES SERVED BY
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

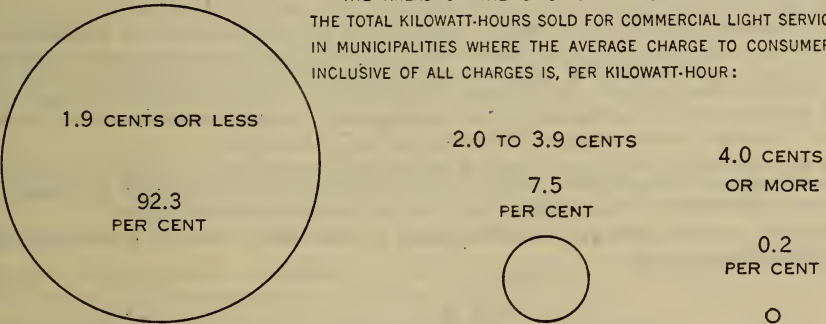
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



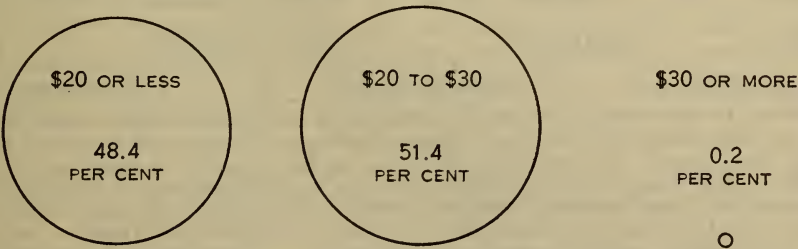
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.*

*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	\$	kw-hr.	cents	\$
Residence.....	1,000,000	4	40,000	3,000,000	3	90,000
Power.....	9,000,000	1	90,000	7,000,000	0.75	52,500
Total.....	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue.....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A the rates both for residence and for power service are 33 per cent higher than in Case B, but the average revenue per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the relative quantities of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns less than 2,000 population, villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. Of the 90 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 83 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 61 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, 32 in excess of 2,000 kilowatt-hours, and 8 in excess of 3,000 kilowatt-hours. In addition 95 smaller urban municipalities have an average annual consumption per domestic consumer exceeding 1,000 kilowatt-hours, including 19 in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 0.8 to 1.3 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer. In 1941, war conditions made necessary the suspension of new installations for water heating.

STATEMENT
Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service
Group I—CITIES

Municipality	System or division **	Population	Domestic service				
			Revenue	Consumption	Number of consumers	Average monthly consumption	Net cost per kw-hr.
			\$	c.	kw-hr.	kw-hr.	\$ c cents
Belleville.....	E.O.	14,969	99,125.69	11,534,068	3,849	250	2.15 0.86
Brantford.....	Nia.	32,778	190,825.67	16,683,781	8,279	168	1.92 1.14
Chatham.....	Nia.	17,241	101,886.78	6,026,135	4,538	111	1.87 1.69
Fort William.....	T.B.	29,061	265,034.63	38,825,199	7,124	454	3.08 0.68
Galt.....	Nia.	15,025	121,074.51	9,765,195	4,261	191	2.37 1.24
Guelph.....	Nia.	23,195	121,254.08	10,860,814	5,646	160	1.79 1.12
Hamilton.....	Nia.	167,505	987,090.61	86,214,295	43,213	166	1.90 1.14
Kingston.....	E.O.	30,569	212,401.40	20,344,146	7,683	221	2.30 1.04
Kitchener.....	Nia.	35,745	244,251.50	21,796,183	8,554	212	2.38 1.12
London.....	Nia.	77,438	589,059.06	57,024,035	19,425	245	2.53 1.03
Niagara Falls.....	Nia.	20,118	133,405.98	12,972,351	4,944	219	2.25 1.03
North Bay.....	N.O.P.	15,933	103,312.99	6,876,868	3,364	170	2.56 1.50
Oshawa.....	E.O.	26,843	235,971.79	15,790,596	6,616	199	2.96 1.49
Ottawa.....	E.O.	158,581	642,772.53	75,220,384	15,415	407	3.46 0.85
Owen Sound.....	G.B.	13,591	68,415.76	5,321,804	3,589	124	1.59 1.29
Peterborough.....	E.O.	27,776	204,455.10	18,641,467	6,683	230	2.54 1.10
Port Arthur.....	T.B.	24,424	152,656.13	17,476,130	6,012	242	2.10 0.87
St. Catharines.....	Nia.	32,559	188,997.58	17,087,907	8,609	165	1.83 1.11
St. Thomas.....	Nia.	17,773	137,580.33	14,476,651	4,693	257	2.44 0.95
Sarnia.....	Nia.	17,840	107,336.11	7,456,670	5,157	120	1.73 1.44
Stratford.....	Nia.	16,993	140,693.66	11,574,447	4,511	214	2.60 1.22
Sudbury.....	N.O.P.	34,020	239,502.92	16,809,788	8,485	165	2.35 1.42
Toronto.....	Nia.	669,130	3,903,626.67	371,490,702	153,163	202	2.12 1.05
Toronto D.C. and 60 cycle*.....			8,757.67	318,720	167	159	4.37 2.75
Welland.....	Nia.	14,899	58,829.34	4,814,129	3,242	124	1.51 1.22
Windsor.....	Nia.	109,948	775,755.57	57,696,811	26,784	180	2.41 1.34
Woodstock.....	Nia.	12,745	84,440.90	7,528,580	3,404	184	2.07 1.12

* This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

GROUP II—TOWNS

Amherstburg.....	Nia.	2,709	24,324.04	1,840,006	750	204	2.70 1.32
Arnprior.....	E.O.	4,027	20,225.36	1,089,796	863	105	1.94 1.85
Aylmer.....	Nia.	2,474	15,127.22	1,132,932	774	122	1.63 1.34
Barrie.....	G.B.	10,339	88,254.61	7,376,909	2,400	256	3.06 1.20
Bowmanville.....	E.O.	3,800	33,002.30	2,090,302	1,199	145	2.29 1.58
Brampton.....	Nia.	6,146	47,110.17	3,932,451	1,592	206	2.47 1.20
Brockville.....	E.O.	10,463	63,192.56	5,709,934	3,035	157	1.74 1.11
Carleton Place.....	E.O.	3,865	22,192.33	1,527,363	1,067	119	1.72 1.45
Clinton.....	Nia.	2,037	16,270.17	1,005,533	583	144	2.33 1.62
Cobourg.....	E.O.	5,560	38,669.07	2,288,913	1,426	134	2.26 1.69
Collingwood.....	G.B.	6,324	36,472.66	2,243,141	1,650	113	1.84 1.63
Delhi.....	Nia.	2,093	11,915.23	602,947	605	83	1.64 1.98
Dundas.....	Nia.	5,257	27,831.88	1,848,050	1,443	107	1.61 1.51
Dunnville.....	Nia.	4,137	17,408.17	964,838	1,050	77	1.38 1.80
Elmira.....	Nia.	2,176	17,429.20	1,166,091	555	175	2.62 1.49

** Niagara, Georgian Bay and Eastern Ontario divisions now embraced in Southern Ontario system.

"D"

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1943
Population, 10,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
53,305.95	4,242,263	645	548	6.89	1.26	57,942.69	106	3,685.0	4,600
79,095.85	7,451,565	1,235	503	5.34	1.06	353,698.60	210	18,917.7	9,724
92,173.19	6,070,518	784	645	9.80	1.52	97,099.66	104	4,430.9	5,426
104,815.15	8,019,120	1,019	656	8.52	1.30	108,070.53	115	6,177.5	8,258
57,357.58	3,672,992	502	610	9.52	1.56	167,152.12	115	8,581.5	4,878
47,721.06	3,925,617	798	410	4.98	1.22	140,184.25	135	8,378.8	6,579
443,874.42	38,790,668	5,273	613	7.01	1.14	2,921,031.38	1,315	151,289.8	49,801
131,032.57	11,559,782	1,027	938	10.63	1.13	155,021.16	163	8,175.6	8,873
121,521.28	8,001,088	1,083	616	9.35	1.52	411,563.30	286	19,778.0	9,923
197,566.12	15,576,799	1,847	703	8.91	1.27	556,119.85	450	29,467.1	21,722
57,361.62	5,007,352	732	570	6.53	1.15	104,807.24	99	6,239.0	5,775
64,249.56	3,129,267	666	392	8.04	2.05	57,269.23	87	2,166.0	4,117
69,448.75	3,666,596	699	438	8.27	1.89	324,633.84	112	14,116.6	7,427
278,762.16	21,230,773	1,444	1,225	16.05	1.31	90,025.57	204	5,493.6	17,063
45,331.47	2,978,445	532	467	7.10	1.52	75,567.65	124	4,156.9	4,245
84,858.59	5,160,200	915	469	7.73	1.65	163,405.31	170	8,289.5	7,768
86,178.99	7,460,031	888	700	8.12	1.16	335,617.25	113	21,448.7	7,013
86,817.69	7,624,516	1,032	616	7.01	1.14	503,376.75	207	27,282.0	9,848
47,370.29	3,969,049	600	551	6.58	1.19	68,872.10	82	4,142.2	5,375
48,887.75	3,504,157	595	491	6.85	1.40	210,833.68	84	8,833.9	5,836
48,457.92	3,120,240	576	451	7.16	1.58	69,009.52	111	3,493.0	5,198
128,807.02	6,550,205	1,061	514	10.12	1.97	50,690.55	108	2,078.1	9,654
2,261,417.09	169,311,027	22,369	631	8.45	1.34	4,791,018.76	4,371	211,071.0	179,903
41,845.13	1,065,510	294	302	11.86	3.93	253,807.50	732	10,471.0	1,193
35,194.32	3,361,929	454	617	6.46	1.05	221,547.91	94	11,226.3	3,790
380,227.14	26,419,966	3,125	705	10.14	1.44	869,311.07	496	40,155.6	30,504
45,000.51	3,278,125	462	591	8.12	1.37	111,598.22	97	6,568.0	3,963

NOTE—The above group of 26 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

† Does not include street railway power.

GROUP II—TOWNS of Population, 2,000 or more.

8,630.61	505,115	138	305	5.21	1.71	9,730.26	16	389.7	904
9,551.43	358,584	141	212	5.64	2.66	19,734.28	19	930.4	1,023
9,141.91	621,745	144	360	5.29	1.47	9,086.19	14	530.8	932
40,520.39	2,643,238	404	545	8.36	1.53	28,860.85	51	1,514.7	2,855
10,199.49	498,818	155	268	5.46	2.04	59,546.76	26	2,429.9	1,380
18,560.39	1,167,084	263	370	5.88	1.59	23,580.38	52	1,361.5	1,907
25,940.63	2,171,878	392	462	5.51	1.19	55,237.27	73	3,118.4	3,500
8,280.46	399,304	176	166	3.43	2.07	28,532.79	18	1,469.0	1,261
7,976.95	409,438	117	292	5.68	1.95	6,720.90	18	311.1	718
19,175.61	971,019	235	344	6.80	1.97	28,539.75	46	1,478.4	1,707
13,631.39	724,046	208	290	5.46	1.88	40,506.41	53	2,255.2	1,911
8,351.75	374,498	149	209	4.67	2.23	7,581.85	8	282.7	762
13,212.48	797,446	194	343	5.68	1.66	41,125.75	38	2,534.8	1,675
13,102.46	813,924	201	337	5.43	1.61	18,279.40	27	1,092.4	1,278
9,183.60	454,942	118	321	6.49	2.02	22,000.93	25	925.1	698

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service
Group II—TOWNS

Municipality	System or division **	Population	Domestic service					Average monthly consumption kw-hr.	Average monthly bill \$	Net cost per kw-hr. cents
			Revenue \$ c.	Consumption kw-hr.	Number of consumers					
Fergus.....	Nia.	2,883	21,458.16	1,180,670	770		128	2.32	1.82	
Forest Hill.....	Nia.	12,954	211,732.60	16,752,369	3,492		400	5.05	1.26	
Georgetown.....	Nia.	2,498	20,413.99	1,488,872	825		150	2.06	1.37	
Goderich.....	Nia.	4,922	37,391.92	2,407,897	1,355		148	2.30	1.55	
Gravenhurst.....	G.B.	2,063	12,141.52	871,234	589		123	1.72	1.39	
Hanover.....	G.B.	3,174	23,340.22	1,404,442	833		140	2.33	1.66	
Hespeler.....	Nia.	3,023	18,889.57	1,267,424	819		129	1.92	1.49	
Humberstone.....	Nia.	3,220	12,127.38	668,870	734		76	1.38	1.81	
Huntsville.....	G.B.	2,849	14,484.90	1,260,805	734		143	1.64	1.15	
Ingersoll.....	Nia.	5,810	33,538.14	2,612,278	1,519		143	1.84	1.28	
Kincardine.....	G.B.	2,134	15,633.96	696,876	720		81	1.81	2.24	
Kingsville.....	Nia.	2,290	14,808.10	944,079	635		124	1.94	1.57	
Leamington.....	Nia.	5,619	28,955.71	1,952,880	1,659		97	1.43	1.48	
Lindsay.....	E.O.	7,783	47,617.60	3,475,082	2,131		136	1.86	1.37	
Listowel.....	Nia.	2,993	16,603.95	1,203,286	798		126	1.73	1.38	
Long Branch.....	Nia.	5,320	36,531.92	2,530,676	1,544		137	1.97	1.44	
Meaford.....	G.B.	2,676	15,000.37	757,220	748		84	1.67	2.00	
Merrittton.....	Nia.	3,189	19,097.90	1,528,468	949		134	1.68	1.25	
Midland.....	G.B.	6,579	38,578.26	2,703,454	1,615		139	1.99	1.43	
Mimico.....	Nia.	8,075	67,771.87	5,234,487	2,221		196	2.54	1.29	
Napanee.....	E.O.	3,269	27,775.72	1,887,267	889		177	2.60	1.47	
New Toronto.....	Nia.	8,360	45,142.82	3,419,681	1,977		144	1.90	1.32	
Orangeville.....	G.B.	2,386	16,224.41	951,564	748		106	1.81	1.71	
Paris.....	Nia.	4,608	25,556.77	2,044,774	1,210		141	1.76	1.25	
Penetanguishene.....	G.B.	3,843	14,163.76	691,284	757		76	1.56	2.05	
Perth.....	E.O.	4,154	27,157.92	2,007,724	1,072		156	2.10	1.35	
Petrolia.....	Nia.	2,605	13,698.16	776,889	811		80	1.41	1.76	
Pictou.....	E.O.	3,383	27,008.64	1,777,492	1,311		113	1.72	1.52	
Port Colborne.....	Nia.	7,050	33,611.53	1,785,270	1,648		90	1.70	1.88	
Port Elgin.....	G.B.	1,329	11,952.82	604,850	500		101	1.99	1.98	
Port Hope.....	E.O.	4,910	32,336.31	2,536,255	1,430		148	1.88	1.27	
Prescott.....	E.O.	3,283	22,045.44	1,686,961	809		174	2.27	1.31	
Preston.....	Nia.	6,707	37,943.48	2,939,569	1,666		147	1.90	1.29	
Riverside.....	Nia.	5,525	43,936.96	2,358,243	1,496		131	2.48	1.86	
St. Marys.....	Nia.	4,005	28,026.00	1,925,010	1,030		156	2.27	1.45	
Simcoe.....	Nia.	6,224	27,568.31	1,784,120	1,654		90	1.39	1.55	
Smiths Falls.....	E.O.	7,468	52,559.72	4,135,018	1,984		173	2.19	1.27	
Strathroy.....	Nia.	3,060	22,361.28	1,798,100	828		181	2.25	1.24	
Swansea.....	Nia.	7,033	73,612.20	5,794,913	2,081		232	2.95	1.27	
Tecumseh.....	Nia.	2,628	17,133.20	684,250	692		82	2.06	2.50	
Thorold.....	Nia.	5,374	22,243.96	1,669,298	1,270		110	1.46	1.33	
Tillsonburg.....	Nia.	3,999	19,724.56	1,285,503	1,209		89	1.36	1.53	
Trenton.....	E.O.	9,387	50,420.76	2,826,144	1,786		132	2.35	1.78	
Walkerton.....	G.B.	2,619	18,944.04	1,097,052	684		134	2.31	1.73	
Wallaceburg.....	Nia.	4,970	23,679.90	1,382,179	1,348		85	1.46	1.71	
Waterloo.....	Nia.	9,349	71,181.38	7,241,125	2,256		267	2.63	0.98	
Weston.....	Nia.	6,165	58,851.59	6,117,960	1,655		308	2.96	0.96	
Whitby.....	E.O.	4,531	33,406.95	2,395,838	1,029		194	2.70	1.39	
Wingham.....	G.B.	2,058	12,812.87	714,320	578		103	1.85	1.79	

"D"—Continued

**in Ontario Municipalities Served by the Commission
and for Power Service during the year 1943
population, 2,000 or more**

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
9,075.22	454,750	118	321	6.41	2.00	22,065.89	13	909.0	901
22,798.77	1,453,047	235	515	8.08	1.57	3,456.08	24	179.9	3,751
7,191.95	418,620	122	286	4.91	1.72	30,029.03	27	1,388.4	974
17,257.62	875,502	244	299	5.89	1.97	20,723.90	23	894.4	1,622
11,185.02	983,415	99	828	9.41	1.14	16,156.23	16	839.4	704
8,599.09	424,129	127	278	5.64	2.03	22,224.84	23	986.3	983
4,656.66	250,960	85	246	4.57	1.86	54,691.00	30	2,513.5	934
3,577.10	252,818	76	277	3.92	1.41	6,307.12	11	321.1	821
10,344.62	707,425	131	450	6.58	1.46	15,031.72	12	203.0	877
15,378.43	1,024,250	218	391	5.88	1.50	48,003.13	45	2,590.0	1,782
7,749.32	263,051	113	194	5.71	2.95	13,059.91	17	514.7	850
8,575.84	499,679	160	260	4.47	1.72	5,956.08	22	350.6	817
16,160.16	1,139,951	273	348	4.93	1.42	20,324.85	32	1,019.9	1,964
27,657.43	1,472,998	328	375	7.01	1.87	66,566.24	70	2,817.3	2,529
11,646.63	716,534	159	376	6.10	1.63	18,948.56	24	970.2	981
6,185.57	405,698	105	322	4.91	1.52	12,160.64	9	546.9	1,658
8,429.20	426,351	153	232	4.59	2.00	10,164.99	19	558.8	920
4,060.75	324,210	65	416	5.21	1.25	232,753.13	16	11,400.8	1,030
17,548.49	1,071,472	191	467	7.66	1.64	78,112.99	54	4,687.8	1,860
10,121.92	692,228	155	372	5.44	1.46	17,212.87	27	694.5	2,403
16,616.78	796,174	201	330	6.89	2.09	11,645.43	25	661.5	1,115
17,404.47	1,368,845	220	519	6.59	1.27	273,911.09	37	11,917.0	2,234
9,475.71	578,109	151	319	5.23	1.64	7,553.31	27	425.0	926
8,865.85	593,300	192	258	3.85	1.49	25,058.17	25	1,501.9	1,427
8,357.61	410,270	105	326	6.63	2.04	21,680.68	22	899.6	884
14,312.28	847,851	195	362	6.12	1.69	17,238.46	28	955.1	1,289
7,390.59	374,179	149	209	4.13	1.98	23,915.06	60	872.4	1,020
15,025.77	906,414	194	389	6.45	1.66	6,617.53	33	430.1	1,538
18,869.14	1,032,544	234	368	6.72	1.83	39,213.50	23	1,472.8	1,905
5,533.43	230,483	106	181	4.35	2.40	4,085.59	6	220.7	612
13,106.47	720,615	189	318	5.78	1.82	37,695.10	38	1,924.6	1,657
9,825.86	588,550	145	338	5.65	1.67	12,325.33	21	690.4	975
18,664.85	1,150,353	220	436	7.07	1.62	63,799.12	47	3,466.5	1,933
5,013.47	261,856	59	370	7.08	1.91	8,105.08	11	319.9	1,566
9,223.50	436,385	166	219	4.63	2.11	24,788.13	38	1,043.4	1,234
28,135.81	1,986,165	386	429	6.07	1.42	28,566.54	44	1,597.8	2,084
15,540.42	1,051,180	258	339	5.01	1.48	29,404.09	40	1,462.3	2,282
11,177.75	681,229	173	325	5.38	1.64	16,519.37	31	1,051.2	1,032
8,422.00	483,170	89	452	7.89	1.74	28,462.58	16	1,234.4	2,186
4,826.31	221,095	52	354	7.73	2.18	1,945.66	2	93.2	746
8,199.67	706,866	165	357	4.14	1.16	44,565.45	18	2,158.0	1,453
16,001.94	1,101,705	242	379	5.51	1.45	14,462.72	35	810.5	1,486
23,931.52	1,235,963	262	393	7.61	1.94	86,536.69	55	4,032.0	2,103
10,410.98	478,105	131	304	6.62	2.18	10,277.24	21	387.5	836
13,985.83	924,574	237	325	4.92	1.51	92,670.89	41	3,817.4	1,626
23,612.15	1,674,070	247	573	8.08	1.41	68,109.89	72	3,575.6	2,575
11,300.57	969,697	174	464	5.41	1.17	70,855.35	30	3,506.0	1,859
12,360.72	739,065	157	392	6.55	1.67	19,495.83	29	874.7	1,215
8,075.69	355,081	145	204	4.64	2.27	12,340.24	22	510.1	745

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario Municipalities. This relatively small proportion of the total power

Municipality	System or division **	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents
Acton.....	Nia.	1,927	13,706.71	1,043,029	551	158	2.07	1.3
Agincourt.....	Nia.	P.V.	6,098.52	404,785	169	200	3.01	1.5
Ailsa Craig.....	Nia.	446	2,757.71	161,710	148	91	1.55	1.7
Alexandria.....	E.O.	1,975	7,102.66	219,299	404	45	1.47	3.2
Alliston.....	G.B.	1,504	13,731.24	626,420	431	121	2.65	2.2
Alvinston.....	Nia.	648	3,617.99	93,620	191	41	1.58	3.9
Ancaster Twp.....	Nia.	.....	13,602.63	836,427	383	182	2.96	1.6
Apple Hill.....	E.O.	P.V.	1,472.72	30,892	66	39	1.86	4.8
Arkona.....	Nia.	368	3,261.99	87,184	113	64	2.41	3.7
Arthur.....	G.B.	896	5,841.88	155,605	238	54	2.05	3.8
Athens.....	E.O.	641	3,254.64	76,740	183	35	1.48	4.2
Ayr.....	Nia.	693	6,106.45	356,004	224	134	2.31	1.7
Baden.....	Nia.	P.V.	3,923.44	294,520	162	152	2.02	1.3
Bath.....	E.O.	293	2,466.46	67,040	57	98	3.61	3.7
Beachville.....	Nia.	P.V.	3,898.55	232,879	170	114	1.91	1.7
Beamsville.....	Nia.	1,295	11,908.35	927,763	391	198	2.54	1.3
Beaverton.....	G.B.	839	6,876.62	388,739	327	99	1.75	1.8
Beeton.....	G.B.	514	3,698.76	97,280	143	57	2.16	3.8
Belle River.....	Nia.	765	5,922.72	230,755	286	67	1.73	2.6
Blenheim.....	Nia.	1,765	9,499.44	548,479	558	82	1.42	1.7
Bloomfield.....	E.O.	581	3,628.71	156,474	177	74	1.71	2.3
Blyth.....	Nia.	632	3,599.13	132,790	179	62	1.68	2.7
Bolton.....	Nia.	591	4,730.27	292,980	186	131	2.12	1.6
Bothwell.....	Nia.	605	2,590.07	154,896	182	71	1.19	1.7
Bradford.....	G.B.	992	6,939.14	247,710	266	78	2.17	2.8
Brantford Twp.....	Nia.	.....	31,779.24	1,890,574	1,370	115	1.93	1.7
Brechin.....	G.B.	P.V.	1,452.39	37,412	53	59	2.28	3.9
Bridgeport.....	Nia.	P.V.	5,494.66	264,790	180	123	2.54	2.1
Brigden.....	Nia.	P.V.	2,382.95	77,490	125	52	1.59	3.1
Brighton.....	E.O.	1,517	11,580.16	406,480	558	61	1.73	2.8
Brussels.....	Nia.	776	4,737.59	171,561	254	56	1.55	2.8
Burford.....	Nia.	P.V.	5,935.22	401,419	237	141	2.09	1.5
Burgessville.....	Nia.	P.V.	2,014.69	68,758	61	94	2.75	2.9
Caledonia.....	Nia.	1,410	6,893.34	351,835	449	65	1.28	2.0
Campbellville.....	Nia.	P.V.	1,482.21	52,490	50	87	2.47	2.8
Cannington.....	G.B.	731	5,635.24	239,310	254	79	1.85	2.4
Capreol.....	N.O.P.	1,663	9,483.39	386,030	338	95	2.34	2.5
Cardinal.....	E.O.	1,633	8,479.05	542,360	388	116	1.82	1.6
Cayuga.....	Nia.	651	4,051.02	141,193	184	64	1.84	2.9
Chatsworth.....	G.B.	356	2,494.65	115,707	102	95	2.04	2.2

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1943

VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province, or from purchased power. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D", page 296.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
4,824.73	307,264	86	298	4.68	1.6	32,495.05	18	1,314.1	655
1,108.49	38,297	26	123	3.55	2.9	1,218.60	3	62.9	198
1,031.24	38,870	32	101	2.69	2.7	1,536.82	4	61.8	184
4,231.68	125,650	92	114	3.83	3.4	3,439.99	14	84.3	510
7,872.09	267,029	109	204	6.02	2.9	4,593.86	15	204.0	555
1,775.34	51,891	50	86	2.96	3.4	971.91	3	24.6	244
3,076.84	126,045	43	244	5.96	2.4	1,109.58	9	66.1	435
919.61	28,334	22	107	3.48	2.2	483.04	2	21.6	90
1,472.16	34,928	32	91	3.83	4.2	373.69	2	8.1	147
4,716.84	115,921	83	116	4.74	4.1	1,660.35	8	92.4	329
1,527.24	50,650	45	94	2.83	3.0	996.74	1	35.7	229
1,988.12	97,373	44	184	3.77	2.0	475.10	4	15.5	272
1,967.25	91,155	32	237	5.12	2.2	8,957.07	3	371.9	197
605.88	13,200	9	122	5.61	4.6	.....	.....	.....	66
630.25	23,675	18	110	2.92	2.7	19,552.68	4	743.9	192
4,958.00	215,657	72	250	5.74	2.3	2,160.61	5	107.9	468
2,151.68	114,689	63	152	2.85	1.9	1,230.82	7	64.2	397
2,116.26	50,400	32	131	5.51	4.2	3,466.02	5	104.8	180
2,809.49	145,735	44	276	5.32	1.9	1,354.84	2	36.7	332
7,227.83	415,524	138	237	4.12	1.7	7,001.57	17	304.9	713
2,291.18	85,077	41	173	4.66	2.7	1,395.87	8	51.5	226
2,105.05	76,368	45	141	3.90	2.8	977.76	4	51.2	228
1,966.44	72,270	46	131	3.56	2.7	2,632.97	10	117.0	242
1,872.98	94,884	53	149	2.94	2.0	932.92	7	87.0	242
3,772.22	97,111	68	119	4.62	3.9	4,036.24	13	180.3	347
4,469.64	273,640	49	465	7.60	1.6	6,491.15	7	264.9	1,426
531.48	19,177	21	76	2.11	2.8	822.07	3	36.0	77
1,967.15	61,823	21	245	7.81	3.2	227.12	2	8.2	203
1,813.26	63,725	38	140	3.98	2.8	871.71	4	25.3	167
4,110.95	162,408	95	142	3.61	2.5	6,707.17	10	298.9	663
3,079.40	102,893	68	126	3.77	3.0	1,096.88	5	38.4	327
1,800.61	107,683	36	249	4.17	1.7	1,547.07	3	87.1	276
535.63	11,350	14	68	3.19	4.7	207.74	1	14.6	76
4,685.50	294,643	100	246	3.90	1.6	2,581.14	11	78.4	559
625.02	16,280	10	136	5.21	3.8	394.44	1	8.5	61
1,838.12	60,536	60	84	2.55	3.0	2,373.03	10	113.2	324
3,563.08	158,842	46	288	6.45	2.2	739.98	1	25.0	385
2,245.37	105,520	53	166	3.53	2.1	347.10	2	18.0	443
3,170.37	94,719	66	120	4.00	3.3	829.09	6	43.4	256
1,231.19	49,746	27	154	3.80	2.5	.....	.....	.....	129

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System or division **	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Chesley	G.B.	1,601	10,198.51	632,080	455	116	1.87	1.6
Chesterville	E.O.	1,071	4,985.23	359,945	232	129	1.79	1.4
Chippawa	Nia.	1,294	8,936.93	692,415	363	159	2.05	1.3
Clifford	Nia.	456	2,967.73	127,287	128	83	1.93	2.3
Cobden	E.O.	595	2,660.31	108,799	154	59	1.42	2.4
Colborne	E.O.	916	6,585.57	324,370	278	97	1.97	2.0
Coldwater	G.B.	549	3,615.37	191,893	156	103	1.93	1.9
Comber	Nia.	P.V.	2,346.57	87,313	120	61	1.63	2.7
Cookstown	G.B.	P.V.	2,607.32	74,662	117	53	1.86	3.5
Cottam	Nia.	P.V.	2,726.37	98,549	130	63	1.75	2.8
Courtright	Nia.	313	1,607.96	46,008	85	45	1.58	3.5
Creemore	G.B.	628	3,522.68	130,810	174	63	1.69	2.7
Dashwood	Nia.	P.V.	2,262.89	89,104	102	73	1.85	2.5
Delaware	Nia.	P.V.	2,085.58	131,833	67	164	2.59	1.6
Deseronto	E.O.	1,052	8,015.34	300,117	380	66	1.76	2.7
Dorchester	Nia.	P.V.	2,921.23	156,305	159	82	1.53	1.9
Drayton	Nia.	523	3,511.49	135,287	167	68	1.75	2.6
Dresden	Nia.	1,519	7,323.41	370,496	481	64	1.27	2.0
Drumbo	Nia.	P.V.	2,446.12	120,624	94	107	2.17	2.0
Dublin	Nia.	P.V.	1,332.82	66,315	57	97	1.95	2.0
Dundalk	G.B.	705	3,694.48	180,885	205	74	1.50	2.0
Durham	G.B.	1,937	7,253.47	426,122	463	77	1.31	1.7
Dutton	Nia.	776	3,074.96	187,820	228	69	1.12	1.6
East York Twp.	Nia.	.....	258,304.92	17,608,956	11,525	127	1.87	1.5
Elmvale	G.B.	P.V.	3,824.40	181,140	192	79	1.66	2.1
Elmwood	G.B.	P.V.	1,239.60	35,202	70	42	1.48	3.5
Elora	Nia.	1,167	8,579.18	444,482	359	103	1.99	1.9
Embro	Nia.	385	3,490.82	202,634	119	142	2.44	1.7
Erieau	Nia.	234	4,153.10	160,663	192	70	1.80	2.6
Erie Beach	Nia.	22	1,583.81	24,825	83	25	1.59	6.4
Essex	Nia.	1,959	8,916.61	521,700	511	85	1.45	1.7
Etobicoke Twp.	Nia.	.....	209,171.40	17,740,290	5,869	252	2.97	1.2
Exeter	Nia.	1,627	15,336.19	1,070,220	529	169	2.42	1.4
Finch	E.O.	393	2,418.60	121,376	116	87	1.74	2.0
Flesherton	G.B.	414	2,060.80	89,340	126	59	1.36	2.3
Fonthill	Nia.	957	6,358.41	329,792	294	93	1.80	1.9
Forest	Nia.	1,565	13,751.46	823,700	496	138	2.31	1.7
Glencoe	Nia.	793	4,747.37	191,583	229	70	1.73	2.5
Grand Valley	G.B.	608	3,466.30	115,740	187	52	1.54	3.0
Granton	Nia.	P.V.	2,004.28	79,789	85	78	1.96	2.5

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1943

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
5,581.49	288,300	90	267	5.17	1.9	7,197.59	19	406.2	564
3,471.01	151,642	74	171	3.91	2.3	2,642.49	4	118.4	310
2,683.61	138,740	51	227	4.38	1.9	1,260.53	2	49.6	416
1,743.18	64,252	34	157	4.27	2.7	793.67	2	21.3	164
2,207.64	68,365	48	119	3.80	3.2	365.77	1	12.7	203
2,900.07	110,490	72	128	3.36	2.6	1,068.92	5	49.5	355
1,182.04	49,813	51	81	1.93	2.4	589.15	1	26.3	208
1,768.95	61,560	41	125	3.60	2.9	2,343.87	4	87.9	165
1,326.49	30,187	30	84	3.68	4.4	1,232.88	3	61.1	150
1,375.94	64,463	28	192	4.10	2.1	432.32	2	21.5	160
695.78	25,952	19	114	3.05	2.7	974.64	1	12.5	105
1,738.10	61,750	46	112	3.15	2.8	1,460.71	3	74.9	223
1,318.26	38,184	27	118	4.07	3.5	1,182.81	3	43.4	132
624.25	21,556	15	120	3.47	2.9	.....	.....	.....	82
3,350.93	126,717	67	158	4.17	2.6	1,800.62	7	69.9	454
997.78	42,528	30	118	2.77	2.3	581.20	2	30.1	191
1,919.11	60,845	62	82	2.58	3.2	1,413.79	5	69.2	234
5,935.74	316,984	125	211	3.96	1.9	4,890.24	11	303.3	617
1,034.84	40,510	25	135	3.45	2.6	865.46	1	36.7	120
1,025.81	29,578	27	91	3.17	3.5	1,495.34	2	59.7	86
2,945.27	105,738	65	136	3.78	2.8	3,596.98	6	178.4	276
4,729.93	233,075	98	198	4.02	2.0	4,465.56	14	214.4	575
2,254.91	135,000	64	176	2.94	1.7	3,714.16	11	209.0	303
26,159.90	1,512,007	462	273	4.72	1.7	42,904.15	43	1,799.8	12,030
1,529.76	69,152	51	113	2.50	2.2	3,173.98	8	139.6	251
593.89	14,846	20	62	2.47	4.0	1,329.93	1	44.9	91
4,316.32	191,186	64	249	5.62	2.3	4,497.50	4	232.7	427
1,240.58	33,049	34	81	3.04	3.8	824.47	2	43.1	155
1,619.18	65,690	14	391	9.64	2.5	675.07	2	24.2	208
203.05	5,860	3	163	5.64	3.5	.....	.....	.....	86
8,211.35	580,655	121	400	5.66	1.4	8,649.53	17	462.8	649
25,896.82	1,721,014	295	486	7.32	1.5	42,814.45	38	1,799.4	6,202
7,291.63	374,988	123	254	4.94	1.9	3,785.33	15	238.2	667
1,616.32	60,022	34	147	3.96	2.7	194.69	1	5.0	151
1,576.28	58,167	46	105	2.86	2.7	732.08	2	34.1	174
1,754.80	77,349	32	201	4.57	2.3	404.07	3	17.2	329
7,183.30	333,955	134	208	4.47	2.2	5,660.37	21	249.1	651
3,515.71	141,193	77	153	3.80	2.5	3,511.51	10	135.8	316
2,043.83	54,934	51	90	3.34	3.7	2,561.42	6	103.8	244
1,067.44	44,561	26	143	3.42	2.4	.....	.....	.....	111

STATEMENT

**Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service**

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System or division **	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Grimsby.....	Nia.	1,998	17,550.17	1,224,451	645	158	2.27	1.4
Hagersville.....	Nia.	1,524	7,871.11	430,596	413	87	1.59	1.8
Harriston.....	Nia.	1,287	7,898.78	465,653	390	99	1.69	1.7
Harrow.....	Nia.	1,136	11,464.59	835,073	338	205	2.83	1.4
Hastings.....	E.O.	719	4,174.41	145,645	228	53	1.53	2.9
Havelock.....	E.O.	907	4,483.86	182,647	291	52	1.28	2.5
Hensall.....	Nia.	659	4,646.69	210,330	208	84	1.87	2.2
Highgate.....	Nia.	310	1,698.93	65,530	106	52	1.34	2.6
Holstein.....	G.B.	P.V.	1,089.30	26,190	62	35	1.46	4.2
Iroquois.....	E.O.	1,037	6,234.25	267,955	259	86	2.01	2.3
Jarvis.....	Nia.	539	3,197.59	114,895	163	59	1.63	2.8
Kemptville.....	E.O.	1,140	8,112.99	421,242	377	93	1.77	1.9
Kirkfield.....	G.B.	P.V.	961.37	21,670	36	50	2.23	4.4
Lakefield.....	E.O.	1,314	7,017.32	311,708	349	74	1.66	2.3
Lambeth.....	Nia.	P.V.	3,560.52	216,101	139	130	2.13	1.6
Lanark.....	E.O.	692	2,892.65	94,112	171	46	1.41	3.1
Lancaster.....	E.O.	573	2,016.36	61,135	109	47	1.54	3.3
La Salle.....	Nia.	1,020	9,070.37	521,003	252	172	3.00	1.7
London Twp.....	Nia.	.....	15,810.19	1,065,996	492	181	2.68	1.5
Lucan.....	Nia.	607	4,822.80	277,354	175	132	2.30	1.7
Lucknow.....	G.B.	907	6,295.13	225,050	285	66	1.84	2.8
Lynden.....	Nia.	P.V.	2,844.69	149,655	104	120	2.28	1.9
Madoc.....	E.O.	1,106	5,552.39	239,899	313	64	1.48	2.3
Markdale.....	G.B.	771	3,973.43	185,848	241	64	1.37	2.1
Markham.....	Nia.	1,162	8,388.13	493,187	341	121	2.05	1.7
Marmora.....	E.O.	930	4,658.13	152,926	248	51	1.57	3.0
Martintown.....	E.O.	P.V.	795.12	30,356	55	46	1.20	2.6
Maxville.....	E.O.	802	3,327.43	111,454	171	54	1.62	3.0
Merlin.....	Nia.	P.V.	2,459.28	87,096	120	60	1.71	2.8
Mildmay.....	G.B.	737	3,963.27	214,705	177	101	1.87	1.8
Millbrook.....	E.O.	734	4,546.92	110,767	180	51	2.09	4.1
Milton.....	Nia.	1,953	14,401.63	854,433	545	131	2.20	1.7
Milverton.....	Nia.	982	5,715.99	383,770	268	119	1.78	1.5
Mitchell.....	Nia.	1,588	13,148.13	944,351	512	154	2.14	1.4
Moorefield.....	Nia.	P.V.	1,118.65	35,340	51	58	1.83	3.2
Morrisburg.....	E.O.	1,528	9,572.24	537,819	413	109	1.93	1.8
Mt. Brydges.....	Nia.	P.V.	2,787.72	138,775	166	70	1.40	2.0
Mt. Forest.....	G.B.	1,787	9,275.39	444,335	471	79	1.64	2.1
Neustadt.....	G.B.	433	2,372.78	38,319	104	31	1.90	6.2
Newbury.....	Nia.	241	1,330.32	35,167	68	43	1.63	3.8

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the Year 1943

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
12,158.10	547,705	120	380	8.44	2.2	13,722.85	15	523.3	780
5,822.42	319,075	94	283	5.16	1.8	20,085.78	14	1,021.5	521
4,901.07	251,352	104	201	3.93	1.9	6,640.49	12	287.3	506
5,015.69	223,452	88	212	4.75	2.2	3,743.93	7	171.2	433
2,239.62	64,552	49	110	3.81	3.5	197.60	3	15.2	280
2,076.85	62,292	51	102	3.39	3.3	2,133.42	2	78.3	344
2,391.48	80,190	55	121	3.62	3.0	3,033.15	14	149.0	277
804.06	27,830	32	72	2.09	2.9	1,215.23	6	62.2	144
627.48	18,068	12	125	4.36	3.5	265.24	2	17.6	74
3,419.11	154,477	77	167	3.70	2.2	1,412.62	3	68.9	339
2,121.72	97,525	41	198	4.31	2.2	3,476.58	3	139.3	207
4,891.16	237,388	81	244	5.12	2.1	3,814.83	5	148.4	463
950.45	16,475	18	76	4.40	5.8	.....	.....	.....	54
4,593.58	192,494	71	226	5.39	2.4	5,368.35	8	281.6	428
827.18	32,653	22	124	3.13	2.5	638.48	3	57.9	164
1,473.40	54,661	39	116	3.12	2.7	.....	.....	.....	210
1,164.03	34,202	29	98	3.34	3.4	.....	.....	.....	138
957.78	30,002	13	192	6.14	3.2	37.33	1	3.0	266
1,741.93	112,831	14	672	10.37	1.6	1,691.94	4	76.9	510
2,241.76	80,152	49	136	3.81	2.8	1,214.22	6	67.3	230
6,474.24	206,677	88	196	6.13	3.1	10,071.45	8	254.6	381
722.98	24,206	15	134	4.02	3.0	814.36	2	45.0	121
3,593.11	138,119	88	132	3.40	2.6	1,494.25	5	70.5	406
3,277.03	149,815	70	178	3.90	2.2	2,533.62	9	151.6	320
2,664.70	117,328	66	148	3.36	2.3	3,103.21	8	152.7	415
2,061.47	87,379	38	192	4.52	2.4	206.10	1	19.7	287
922.24	31,525	25	105	3.07	2.9	.....	.....	.....	80
2,525.80	66,800	48	116	4.39	3.8	.....	.....	.....	219
2,056.75	77,598	55	118	3.12	2.7	852.51	3	32.6	178
2,683.69	96,316	55	146	4.07	2.8	1,084.72	2	28.7	234
1,930.42	35,090	60	49	2.70	5.5	881.36	3	20.2	243
6,795.97	364,676	102	298	5.55	1.9	27,315.21	14	1,109.8	661
4,241.24	181,915	75	202	4.71	2.3	3,879.41	10	260.6	353
5,792.94	343,012	130	220	3.71	1.7	6,734.59	22	339.8	664
1,542.52	68,881	28	205	4.59	2.2	60.21	1	3.0	80
5,331.03	191,735	107	149	4.15	2.8	3,492.12	15	198.2	535
1,000.26	39,224	34	96	2.45	2.6	885.40	5	47.8	205
6,913.21	310,480	132	196	4.36	2.2	6,914.11	16	339.7	619
1,068.08	24,449	23	89	3.87	4.4	704.59	2	22.3	129
481.53	10,478	16	55	2.51	4.6	199.75	1	13.2	85

STATEMENT

**Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service**

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System or division **	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents
Newcastle.....	E.O.	767	5,847.99	235,409	223	88	2.18	2.5
New Hamburg.....	Nia.	1,395	10,764.73	673,363	373	150	2.40	1.6
Niagara-on-the-Lake....	Nia.	1,884	17,373.73	1,555,969	607	214	2.39	1.1
Nipigon Twp.....	T.B.	.....	4,831.40	264,970	240	92	1.67	1.8
North York Twp.....	Nia.	.....	245,928.93	14,635,108	6,670	183	3.07	1.7
Norwich.....	Nia.	1,184	9,232.5	683,710	379	150	2.03	1.4
Norwood.....	E.O.	694	5,054.47	220,540	235	78	1.79	2.3
Oil Springs.....	Nia.	445	1,867.73	101,779	105	81	1.48	1.8
Omeme.....	E.O.	464	3,417.39	144,332	173	70	1.65	2.4
Orono.....	E.O.	P.V.	4,668.31	151,764	181	70	2.14	3.1
Otterville.....	Nia.	P.V.	2,585.03	136,540	141	81	1.53	1.9
Paisley.....	G.B.	615	4,080.90	103,735	201	43	1.69	3.9
Palmerston.....	Nia.	1,342	10,942.61	810,497	398	170	2.29	1.4
Parkhill.....	Nia.	882	5,735.54	241,350	286	70	1.67	2.4
Plattsville.....	Nia.	P.V.	2,747.13	112,989	119	85	2.07	2.4
Point Edward.....	Nia.	1,221	7,062.51	312,894	347	75	1.70	2.3
Port Credit.....	Nia.	1,956	19,712.16	1,761,031	629	233	2.61	1.1
Port Dalhousie.....	Nia.	1,747	20,566.84	1,718,612	682	210	2.51	1.2
Port Dover.....	Nia.	1,818	10,701.68	598,702	743	67	1.20	1.8
Port McNicoll.....	G.B.	964	4,391.07	152,724	237	54	1.54	2.9
Port Perry.....	G.B.	1,216	8,711.40	357,715	377	79	1.93	2.4
Port Rowan.....	Nia.	622	3,039.66	108,910	158	57	1.60	2.8
Port Stanley.....	Nia.	919	16,404.06	1,056,424	776	113	1.76	1.6
Priceville.....	G.B.	P.V.	779.72	11,397	34	28	1.91	6.8
Princeton.....	Nia.	P.V.	2,786.99	140,759	95	123	2.44	2.0
Queenston.....	Nia.	P.V.	3,427.31	323,426	78	346	3.66	1.1
Richmond.....	E.O.	437	2,368.83	96,441	84	95	2.38	2.5
Richmond Hill.....	Nia.	1,423	11,182.04	910,349	405	187	2.30	1.2
Ridgetown.....	Nia.	1,854	9,327.19	587,794	596	82	1.30	1.6
Ripley.....	G.B.	361	3,307.12	79,671	121	55	2.28	4.2
Rockwood.....	Nia.	P.V.	4,270.62	221,470	170	109	2.09	1.9
Rodney.....	Nia.	722	3,256.43	160,290	233	57	1.16	2.0
Rosseau.....	G.B.	201	2,967.90	43,574	73	50	3.39	6.8
Russell.....	E.O.	P.V.	2,857.22	95,422	118	67	2.01	3.0
St. Clair Beach.....	Nia.	153	3,143.33	126,620	99	107	2.65	2.5
St. George.....	Nia.	P.V.	3,524.38	173,340	162	89	1.81	2.0
St. Jacobs.....	Nia.	P.V.	4,198.14	312,228	138	189	2.54	1.3
Scarborough Twp.....	Nia.	.....	133,836.65	8,790,874	5,718	128	1.95	1.5
Seaforth.....	Nia.	1,711	11,579.17	718,725	498	120	1.94	1.6
Shelburne.....	G.B.	1,044	5,796.95	241,000	296	68	1.63	2.4
Sioux Lookout.....	N.O.P.	1,734	17,659.27	396,462	475	70	3.10	4.5
Smithville.....	Nia.	P.V.	4,054.91	157,350	184	71	1.84	2.6
Southampton.....	G.B.	1,597	11,195.43	621,748	549	94	1.70	1.8
Springfield.....	Nja.	409	2,290.58	89,474	116	64	1.65	2.6
Stamford Twp.....	Nia.	.....	77,711.35	6,606,266	2,494	221	2.60	1.2

"D"—Continued

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1943

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
2,308.66	77,338	33	195	5.85	3.0	2,468.78	5	80.7	261
4,212.50	180,349	96	156	3.66	2.3	7,346.43	12	369.8	481
6,690.59	572,115	100	477	5.58	1.2	6,643.62	11	292.9	718
4,048.03	229,950	49	391	6.88	1.8	1,128.71	5	69.1	294
28,631.91	1,133,686	321	294	7.43	2.5	157,432.20	46	5,285.9	7,037
4,073.85	171,200	87	164	3.90	2.4	2,002.99	9	126.2	475
2,167.36	58,380	57	85	3.17	3.7	563.67	3	29.1	295
1,266.51	54,391	32	142	3.30	2.5	5,458.94	34	166.4	171
890.85	29,778	29	85	2.55	3.0	2,954.66	6	131.7	208
2,174.83	55,768	37	126	4.90	4.0	55.62	1	3.0	219
1,835.98	71,928	44	136	3.48	2.5	485.79	4	25.9	189
2,239.56	64,658	48	112	3.89	3.5	855.37	3	30.2	252
4,462.08	223,159	102	182	3.65	2.0	7,356.91	13	437.2	513
3,011.64	105,871	80	110	3.14	2.8	1,846.19	7	64.4	373
2,080.05	91,107	24	316	7.22	2.3	2,326.12	2	76.4	145
2,718.02	105,081	48	182	4.72	2.6	42,786.04	10	1,621.2	405
6,728.82	423,067	80	441	7.01	1.6	5,470.19	11	227.4	720
4,535.00	328,144	69	396	5.54	1.4	7,415.05	12	401.8	763
5,025.04	283,036	115	205	3.64	1.8	5,362.52	15	275.4	873
693.56	20,070	20	84	2.89	3.5	3.33	1	0.2	258
3,168.13	116,432	75	129	3.52	2.7	2,633.63	10	119.9	462
2,142.27	101,970	40	212	4.46	2.1	101.52	2	5.5	200
4,380.54	207,501	95	182	3.84	2.1	4,208.71	11	217.3	882
205.25	2,966	8	31	2.14	6.9	105.09	1	2.5	43
879.42	30,571	20	127	3.66	2.9	2,345.58	3	86.7	118
1,755.60	71,880	16	374	9.14	2.4	.....	.....	.....	94
1,297.83	37,813	22	143	4.86	3.4	.....	.....	.....	106
3,973.51	244,059	70	291	4.73	1.6	2,337.65	15	136.6	490
6,774.27	348,427	136	213	4.15	1.9	7,419.55	19	416.5	751
1,760.67	43,548	47	77	3.12	4.0	1,662.01	1	66.1	169
943.27	40,630	29	117	2.71	2.3	30.28	1	2.0	200
2,119.27	81,691	64	106	2.76	2.6	2,145.57	6	101.1	303
812.38	13,898	13	89	5.21	5.8	.....	.....	.....	86
1,282.69	33,295	30	92	3.58	3.9	.....	.....	.....	148
1,790.63	60,770	7	723	21.32	2.9	165.44	1	10.0	107
1,413.73	70,164	30	195	3.93	2.0	2,605.96	1	102.5	193
1,753.26	78,995	30	219	4.87	2.2	4,830.24	8	220.7	176
22,576.46	1,244,177	378	274	4.98	1.8	38,722.66	40	1,513.5	6,136
6,890.37	393,632	106	309	5.42	1.8	8,080.12	23	435.3	627
3,479.96	152,825	73	174	3.97	2.3	2,243.06	13	194.9	382
11,844.99	229,217	96	199	10.28	5.2	1,386.18	2	32.5	573
2,753.99	92,105	53	145	4.33	3.0	2,721.05	5	122.8	242
5,568.47	257,993	93	231	4.99	2.2	8,423.40	12	325.9	654
712.82	19,649	28	58	2.12	3.6	876.29	3	40.1	147
12,380.84	778,094	166	391	6.22	1.6	16,982.82	19	1,098.2	2,679

STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers
For Domestic Service, for Commercial Light Service

Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System or division **	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Stayner.....	G.B.	1,172	5,775.97	305,736	344	74	1.40	1.9
Stirling.....	E.O.	939	6,032.07	431,669	284	127	1.77	1.4
Stouffville.....	Nia.	1,223	7,744.53	431,265	404	89	1.60	1.8
Streetsville.....	Nia.	704	5,664.30	334,288	205	136	2.30	1.7
Sunderland.....	G.B.	P.V.	3,096.19	101,111	141	60	1.83	3.1
Sutton.....	Nia.	918	7,972.61	344,910	461	62	1.44	2.3
Tara.....	G.B.	478	3,301.65	116,809	156	62	1.76	2.8
Tavistock.....	Nia.	1,042	8,736.82	588,508	300	163	2.43	1.5
Teeswater.....	G.B.	826	5,156.78	156,609	231	56	1.86	3.3
Thamesford.....	Nia.	P.V.	3,712.24	283,020	140	168	2.21	1.3
Thamesville.....	Nia.	789	3,582.76	194,990	237	69	1.26	1.8
Thedford.....	Nia.	557	3,454.04	99,294	164	50	1.76	3.5
Thorndale.....	Nia.	P.V.	1,771.62	66,161	75	73	1.97	2.7
Thornton.....	G.B.	P.V.	1,617.28	27,188	67	34	2.01	5.9
Tilbury.....	Nia.	1,982	7,427.77	469,700	496	79	1.25	1.6
Toronto Twp.....	Nia.	.....	86,364.62	5,156,830	2,912	148	2.47	1.7
Tottenham.....	G.B.	482	3,829.63	116,192	149	65	2.14	3.3
Trafalgar Twp. No. 1.....	Nia.	.....	15,637.91	813,286	395	172	3.30	1.9
Trafalgar Twp. No. 2.....	Nia.	.....	5,492.89	274,650	165	139	2.77	2.0
Tweed.....	E.O.	1,250	6,641.00	268,261	307	73	1.80	2.5
Uxbridge.....	G.B.	1,425	9,787.98	479,850	413	97	1.97	2.0
Victoria Harbour.....	G.B.	937	3,631.18	123,120	265	39	1.14	2.9
Wardsville.....	Nia.	227	1,639.89	47,105	67	59	2.04	3.5
Warkworth.....	E.O.	P.V.	2,242.43	72,005	136	44	1.37	3.1
Waterdown.....	Nia.	898	6,058.56	416,890	277	125	1.82	1.5
Waterford.....	Nia.	1,300	7,098.36	440,485	394	93	1.50	1.6
Watford.....	Nia.	1,038	7,883.41	436,720	311	117	2.11	1.8
Waubashene.....	G.B.	P.V.	3,106.84	133,660	230	48	1.13	2.3
Wellesley.....	Nia.	P.V.	2,626.31	113,410	137	69	1.60	2.3
Wellington.....	E.O.	1,076	6,357.68	327,030	341	80	1.55	1.9
West Lorne.....	Nia.	785	3,585.57	181,029	226	67	1.32	2.0
Westport.....	E.O.	636	3,870.33	108,395	142	64	2.27	3.6
Wheatley.....	Nia.	718	3,925.57	167,740	226	62	1.45	2.3
Wiarton.....	G.B.	1,558	7,687.39	290,607	420	58	1.53	2.6
Williamsburg.....	E.O.	P.V.	1,612.70	142,550	96	124	1.40	1.1
Winchester.....	E.O.	1,029	6,647.83	456,331	302	126	1.83	1.5
Windermere.....	G.B.	118	2,569.66	38,504	62	52	3.45	6.7
Woodbridge.....	Nia.	1,019	8,914.53	586,705	310	158	2.40	1.5
Woodville.....	G.B.	415	2,227.49	92,940	115	67	1.61	2.4
Wyoming.....	Nja.	494	2,745.27	128,837	165	65	1.39	2.1
York Twp.....	Nia.	.....	533,119.40	33,943,631	21,576	131	2.06	1.6
Zurich.....	Nia.	P.V.	3,671.76	153,938	148	87	2.07	2.4

"D"—Concluded

in Ontario Municipalities Served by the Commission
and for Power Service during the year 1943

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
3,318.81	171,918	90	159	3.07	1.9	2,829.31	15	194.6	449
3,299.71	143,011	72	166	3.82	2.3	1,591.91	10	80.3	366
4,150.43	205,255	84	204	4.12	2.0	1,267.62	7	72.2	495
1,970.35	72,017	50	120	3.28	2.7	4,475.36	6	177.2	261
1,329.45	37,944	34	93	3.26	3.5	327.25	2	12.0	177
3,157.64	122,250	78	131	3.37	2.6	1,112.80	3	39.3	542
1,567.50	50,557	34	124	3.84	3.1	1,589.09	5	49.7	195
4,392.88	188,497	96	164	3.81	2.3	9,806.40	9	415.4	405
2,666.78	71,796	57	105	3.90	3.7	991.98	3	82.7	291
1,229.32	68,987	39	147	2.63	1.8	1,839.69	6	90.4	185
2,670.16	142,830	69	173	3.22	1.9	1,957.72	6	89.6	312
2,687.66	78,922	48	137	4.67	3.4	1,389.04	2	42.6	214
727.65	21,682	23	79	2.64	3.4	1,135.80	2	40.5	100
453.65	12,254	11	93	3.44	3.7	333.70	2	14.4	80
6,337.06	394,014	120	274	4.40	1.6	32,050.93	15	1,380.6	631
19,189.09	1,279,329	180	592	8.88	1.5	8,394.62	28	429.2	3,120
1,365.34	28,745	37	65	3.08	4.7	1,714.32	8	59.9	194
637.03	20,770	3	577	17.70	3.1	444.69	6	21.5	404
809.86	42,624	22	161	3.07	1.9	204.64	2	11.0	189
4,160.31	128,261	81	132	4.28	3.2	4,270.73	13	161.9	401
3,995.56	128,870	92	117	3.62	3.1	3,145.22	12	148.6	517
904.83	40,955	29	118	2.60	2.2	103.71	1	3.0	295
732.89	24,165	20	101	3.05	3.0	63.05	1	3.0	88
1,261.33	41,446	40	86	2.63	3.0	95.56	1	2.7	177
1,494.89	91,510	32	238	3.89	1.6	1,340.73	6	84.6	315
3,393.43	200,004	77	216	3.67	1.7	5,712.22	14	308.7	485
3,756.67	156,120	74	176	4.23	2.4	5,590.58	7	191.8	392
636.10	30,180	21	120	2.72	2.3	279.49	3	12.0	254
1,554.87	47,240	44	89	2.94	3.3	1,290.13	4	57.5	185
2,885.31	110,804	63	147	3.82	2.6	1,693.88	5	61.8	409
3,234.32	183,585	55	278	4.91	1.8	4,266.51	8	197.6	289
2,568.24	69,340	45	128	4.76	3.7	.....	.....	.....	187
3,225.84	159,203	72	184	3.73	2.0	2,832.03	6	110.5	304
7,050.21	237,119	103	192	5.70	3.0	3,544.04	14	116.7	537
1,822.11	91,100	34	223	4.47	2.0	148.80	1	10.8	131
3,741.08	179,873	88	170	3.54	2.1	2,061.86	3	96.9	393
813.65	25,197	14	150	4.84	3.2	133.10	1	7.5	77
1,931.98	84,180	48	146	3.35	2.3	10,481.78	8	503.6	366
825.20	26,728	19	117	3.62	3.1	545.98	2	37.5	136
1,334.22	39,266	44	74	2.53	3.4	181.69	2	16.0	211
67,803.37	4,091,422	888	384	6.33	1.7	266,155.08	168	9,379.7	22,632
3,271.03	112,710	46	204	5.92	2.9	.....	.....	.....	194

STATEMENT "E"

Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1943

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

Cost of Power to Municipalities

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

Rates to Consumers

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"†. In accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

*Except townships served as parts of rural power districts, for which consult latter part of Section IV.

†R.S.O. 1937, Ch. 62, Sec. 89.

Domestic Service: Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

Commercial Light Service: Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

Water-Heater Service: For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro utilities, without capital cost to the consumer.† The installation of new water-heating services is suspended for the duration of the war.

Power Service: The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power", discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

†In addition, the municipal Hydro utilities supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Acton.....	27.11	....	60	2.5	1.0	0.83	10
Agincourt.....	26.75	....	60	3.4	1.1	1.11	10
Ailsa Craig.....	34.85	....	60	2.8	0.9	0.83	10
Alexandria.....T	49.50	....	50	4.5	1.2	1.11	10
Alliston.....T	38.52	....	40	5.3	1.3	1.39	10
Alvinston.....	43.95	....	60	4.2	1.1	1.11	10
Amherstburg.....T	29.71	....	60	3.4	0.9	0.83	10
Ancaster Twp.....	25.55	....	60	3.8	1.3	0.83	10
Apple Hill.....	42.38	....	60	5.0	1.3	1.66	10
Arkona.....	52.02	....	60	5.0	1.8	1.78	10
Arnprior.....T	24.23	....	55	3.8	1.0	0.83	10
Arthur.....	59.45	33-66	40	4.8	1.5	1.67	10
Athens.....	43.16	33-66	50	4.5	1.5	1.11	10
Aurora.....T	26.02	....	60	2.6	1.0	0.83	10
Aylmer.....T	27.92	....	60	2.3	0.8	0.83	10
Ayr.....	31.41	....	60	3.4	1.1	1.11	10
Baden.....	26.07	....	60	2.5	1.0	0.83	10
Bala.....T	....	33-66	50	3.7	1.2	1.66	10
Barrie.....T	27.75	....	60	2.7	1.0	0.83	10
Bath.....	48.05	33-66	40	6.0	1.5	2.78	10
Beachville.....	27.06	....	60	3.1	1.1	0.83	10
Beamsville.....	24.09	....	60	3.3	1.0	0.83	10
Beardmore Townsite..	....	....	50	5.5	1.5	1.11	10
Beaverton.....	36.85	....	60	2.8	1.0	1.11	10
Beeton.....	48.56	....	40	5.5	1.8	1.67	10
Belle River.....	30.79	....	60	3.6	1.0	1.11	10
Belleville.....C	23.03	....	55	1.9	0.7	0.83	10
Blenheim.....T	29.86	....	60	2.5	0.9	0.83	10
Bloomfield.....	39.84	....	50	3.4	1.3	1.11	10
Blyth.....	41.07	....	60	3.5	1.1	1.39	10
Bolton.....	30.17	....	55	3.5	1.1	1.11	10
Bothwell.....T	34.98	....	60	2.4	0.8	0.83	10
Bowmanville.....T	27.31	....	60	3.5	1.0	0.83	10
Bradford.....	40.35	....	40	4.8	1.2	1.67	10
Brampton.....T	24.59	....	60	2.3	1.0	0.83	10
Brantford.....C	23.32	....	60	2.3	0.9	0.83	10
Brantford Twp.....	26.73	....	60	2.7	1.0	1.11	10
Brechin.....	43.00	....	45	5.5	1.2	1.67	10
Bridgeport.....	28.44	....	50	4.3	1.2	1.11	10
Brigden.....	41.81	....	60	3.6	0.9	1.39	10

*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

"E"

Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.8	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	0.8	1.66	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.0	1.0	1.11	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.78	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	1.6	0.4	1.11	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.7	0.8	1.66	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	2.78	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.5	1.5	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.5	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	3.4	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	4.3	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
*5.0	1.6	0.35	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	4.0	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10

*Min. 500 watts.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Brighton.....	28.42	....	60	4.2	1.2	1.11	10
Brockville.....T	25.68	....	60	1.8	0.8	0.83	10
Brussels.....	39.34	....	50	3.8	1.1	1.39	10
Burford.....	27.53	....	60	2.9	0.9	0.83	10
Burgessville.....	38.88	....	60	5.0	1.5	1.39	10
Burlington Beach or Hamilton Beach....	....	....	60	3.5	1.1	0.83	10
Caledonia.....	26.62	....	60	2.5	0.8	0.83	10
Callander.....	....	33	40	5.0	2.0	1.11	10
Campbellville.....	45.20	....	55	4.0	1.3	1.39	10
Cannington.....	35.37	....	55	3.6	1.5	1.11	10
Capreol.....T	....	....	50	4.0	1.2	1.39	10
Cardinal.....	27.15	....	55	2.5	1.1	1.11	10
Carleton Place.....T	26.39	....	55	2.8	1.0	0.83	10
Carlsruhe.....	....	33-66	40	6.0	2.0	1.67	10
Cayuga.....	38.87	....	60	3.8	1.1	1.39	10
Chatham.....C	25.69	....	60	3.0	0.9	0.83	10
Chatsworth.....	38.23	....	45	3.5	1.2	1.39	10
Chesley.....T	31.76	....	55	2.9	1.1	1.11	10
Chesterville.....	30.76	....	55	2.3	1.0	0.83	10
Chippawa.....	21.08	....	60	2.8	0.9	1.11	10
Clifford.....	42.69	....	55	3.5	1.2	1.39	10
Clinton.....T	29.95	....	60	2.8	1.1	1.11	10
Cobden.....	47.82	....	30	3.5	1.0	1.11	10
Cobourg.....T	27.30	....	55	3.4	1.1	0.83	10
Colborne.....	31.15	....	60	4.0	1.1	0.83	10
Coldwater.....	34.56	33-66	55	2.5	1.0	1.11	10
Collingwood.....T	28.79	....	55	2.8	1.0	0.83	10
Comber.....	37.07	....	60	3.6	0.9	1.11	10
Cookstown.....	36.68	....	40	5.2	1.2	1.67	10
Cottage Cove Townsite	....	....	60	6.0	2.0	3.33	10
Cottam.....	37.35	....	60	3.6	1.0	1.39	10
Courtright.....	42.33	....	55	4.0	1.2	1.39	10
Creemore.....	39.34	....	45	3.8	1.0	1.39	10
Dashwood.....	33.50	....	60	4.2	1.0	1.11	10
Delaware.....	28.62	....	60	3.5	1.2	1.11	10
Delhi.....	30.24	....	60	3.3	1.0	0.83	10
Deseronto.....T	36.00	....	50	4.8	1.2	0.83	10
Dorchester.....	32.36	....	60	3.0	1.1	0.83	10
Drayton.....	46.63	....	55	4.0	1.3	1.11	10
Dresden.....T	31.24	....	60	2.6	0.8	0.83	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.6	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.3	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.5	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.7	0.8	1.39	10	31.00	1.00	2.9	1.9	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.5	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.4	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.5	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	4.5	1.0	1.67	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	5.0	2.0	4.44	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	0.9	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.9	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.9	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Drumbo.....	31.12	....	60	3.8	1.1	1.11	10
Dublin.....	41.45	....	60	3.5	1.2	1.11	10
Dundalk.....	32.06	....	55	3.0	1.0	1.11	10
Dundas.....T	22.57	....	60	2.5	0.9	0.83	10
Dunnville.....T	24.92	....	60	2.4	0.8	0.83	10
Durham.....T	33.25	....	55	2.5	1.0	0.83	10
Dutton.....	30.49	....	60	2.1	0.8	0.83	10
East York Twp.....	24.16	....	60	2.5	1.1	0.83	10
Elmira.....T	28.12	....	60	3.4	1.0	0.83	10
Elmvale.....	34.13	....	55	3.4	1.2	0.83	10
Elmwood.....	45.16	....	45	4.0	1.0	1.39	10
Elora.....	29.03	....	60	3.1	1.2	1.11	10
Embro.....	31.19	....	60	3.4	1.2	1.11	10
Erieau.....	40.25	....	60	3.8	1.1	1.39	10
Erie Beach.....	50.91	....	60	5.3	1.5	1.67	10
Essex.....T	28.48	....	60	2.5	0.9	0.83	10
Etobicoke Twp.....	24.30	....	60	2.7	1.1	0.83	10
Exeter.....	29.78	....	60	3.0	0.9	0.83	10
Fergus.....	27.52	....	55	3.3	1.3	1.11	10
Finch.....	39.18	....	45	3.0	1.2	1.39	10
Flesherton.....	40.94	....	55	3.0	1.0	1.11	10
Fonthill.....	27.65	....	60	3.0	1.1	1.11	10
Forest.....T	34.66	....	60	3.5	0.9	1.11	10
Forest Hill.....	22.59	33-66	60	2.0	1.3	0.83	10
Fort William.....C	18.65	....	60	2.0	0.8	0.83	10
Frankford.....	.....	....	60	4.5	1.2	0.83	10
Galt.....C	23.39	....	60	2.8	0.8	0.83	10
Gamebridge.....	.....	....	45	5.5	1.2	1.67	10
Georgetown.....T	28.64	....	60	2.5	0.9	0.83	10
Geraldton Townsite...	.....	....	60	3.7	1.2	1.11	10
Glencoe.....	42.77	....	60	3.5	0.9	1.11	10
Glen Williams.....	.....	....	60	2.9	1.0	0.83	10
Goderich.....T	31.91	....	55	3.3	1.0	0.83	10
Grand Valley.....	45.34	....	45	4.0	1.1	1.11	10
Granton.....	37.21	....	60	3.3	1.2	1.11	10
Gravenhurst.....T	26.04	....	55	2.2	0.9	0.83	10
Grimsby.....T	26.46	....	60	3.5	1.1	0.83	10
Guelph.....C	23.65	....	60	2.0	0.8	0.83	10
Hagersville.....	27.85	....	60	2.5	1.0	0.83	10
Hamilton.....C	21.87	....	60	2.4	0.8	0.83	10

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.5	1.0	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.8	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.2	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.8	0.8	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22	..	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.7	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	1.8	0.3	0.83	10	17.00	1.00	1.7	1.1	*0.33 0.133	.....	25	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	1.66	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.7	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	4.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.2	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	.....	25	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
†5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10

*0.33 cents per kw-hr. for the next 360 hours use plus 0.133 cents per kw-hr. for all additional.
†Min. 500 watts.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Hanover.....T	27.88	....	60	2.8	1.3	0.83	10
Harriston.....T	33.98	....	55	3.0	1.0	1.11	10
Harrow.....T	31.00	....	60	3.3	1.0	0.83	10
Hastings.....	37.62	....	45	4.2	1.2	1.11	10
Havelock.....	45.19	....	50	3.5	1.2	0.83	10
Hensall.....	36.89	....	60	3.5	1.1	1.11	10
Hepworth.....	....	33-66	40	6.0	2.0	1.67	10
Hespeler.....T	23.45	....	60	3.0	0.9	0.83	10
Highgate.....	35.18	....	60	3.2	0.9	1.11	10
Hislop Townsite.....	....	33-66	50	6.0	1.5	1.94	10
Holstein.....	62.03	....	40	5.5	1.3	1.67	10
Hudson Townsite.....	....	....	60	6.0	2.0	2.00	10
Humberstone.....	24.22	....	60	2.6	0.8	0.83	10
Huntsville.....T	30.19	....	60	2.0	0.9	0.83	10
Ingersoll.....T	24.75	....	60	2.4	0.9	0.83	10
Iroquois.....	26.00	33	{60 60	{3.0 2.0}	1.0	0.83	10
Jarvis.....	34.03	....	60	3.4	1.0	1.11	10
Kearns Townsite.....	....	33-66	50	6.0	2.0	1.94	10
Kemptville.....	32.91	....	55	3.5	1.2	0.83	10
Kincardine.....T	36.60	....	40	4.0	1.1	1.11	10
King Kirkland Townsite.....	....	33-66	50	6.0	1.5	3.06	10
Kingston.....C	23.74	....	50	2.2	0.8	0.83	10
Kingsville.....T	30.34	....	60	2.8	0.9	0.83	10
Kirkfield.....	51.41	33-66	40	5.5	1.5	2.22	10
Kitchener.....C	23.06	....	60	2.3	1.0	0.83	10
Lakefield.....	25.76	....	50	3.6	1.2	0.83	10
Lambeth.....	30.89	....	60	3.0	1.0	1.11	10
Lanark.....	40.18	....	50	4.2	1.3	0.83	10
Lancaster.....	52.00	....	60	4.0	1.2	1.11	10
La Salle.....T	29.53	....	60	3.8	1.2	1.11	10
Leamington.....T	30.22	....	60	2.3	0.8	0.83	10
Leaside.....T	....	a3	....	b1.8	1.0	0.83	10
Lindsay.....T	27.98	....	60	2.5	0.9	0.83	10
Listowel.....T	29.33	....	55	2.7	1.0	0.83	10
London.....C	23.35	....	60	2.4	0.9	0.83	10
London Twp.....	26.56	....	60	2.9	1.0	1.11	10
Long Branch.....	24.34	....	60	2.5	1.1	0.83	10
Lucan.....	29.43	....	60	3.4	1.1	1.11	10
Lucknow.....	41.06	....	45	4.3	1.3	1.67	10
Lynden.....	30.24	....	60	3.4	1.1	1.39	10

aService charge per 100 sq. ft. floor area.

bFirst 3 kw-hrs. per 100 sq. ft.

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	2.3	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	..	10
5.0	3.2	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.1	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	..	10
5.0	6.0	1.5	3.06	10	.....	.....	.....	.....	.....	.....	..	..
5.0	5.0	0.8	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	6.0	2.0	*1.00	10	45.00	1.00	5.1	3.4	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
†33	±5.0											
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	2.0	3.06	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.3	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	6.0	1.5	3.89	10	.....	.....	.....	.....	.....	.....	..	..
5.0	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	5.5	1.0	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.7	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.2	1.0	1.11	10	56.00	1.00	6.6	4.4	0.33	.....	..	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
.....	c3.0				.....	e1.10			f1/3			
5.0	a2/3	1/3	0.83	10	.....	0.90	2.0	1.0	1/6	.....	..	10
5.0	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.3	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.5	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10

*Per 100 watts., Min. \$2.00, Max. \$5.00.

†Per service per month.

‡5c per kw-hr. for 1st 60 kw-hrs. plus 3c per kw-hr. for 2nd 60 kw-hrs.

c1st 80 hrs. use.

eFirst 7.5 kilowatts \$1.10 per kw. All additional 90c per kw.

a2nd 80 hrs. use.

f1/3c. per kw-hr., next 300 hrs. All additional 1/6c. per kw-hr.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
MacTier.....	.....	33-66	40	5.0	2.0	1.66	10
Madoc.....	40.34	.....	50	3.2	1.2	0.83	10
Markdale.....	32.35	.....	55	3.1	1.1	1.11	10
Markham.....	27.60	.....	60	3.0	1.0	0.83	10
Marmora.....	33.84	.....	60	4.0	1.0	1.11	10
Martintown.....	36.71	.....	50	3.0	1.0	1.11	10
Matachewan Townsite.....	.....	.....	50	4.5	1.0	1.11	10
Maxville.....	46.66	.....	55	4.5	1.2	1.11	10
Meaford.....T	33.46	.....	60	3.0	1.1	0.83	10
Merlin.....	33.30	.....	60	3.8	1.0	1.11	10
Merritton.....T	20.79	.....	60	2.4	0.9	0.83	10
Midland.....T	27.16	.....	60	2.5	1.0	0.83	10
Mildmay.....	36.63	.....	40	3.6	1.0	1.39	10
Millbrook.....	32.13	33	60	5.5	1.5	0.83	10
Milton.....T	26.49	.....	60	3.3	1.1	0.83	10
Milverton.....	29.78	.....	60	2.7	1.0	0.90	10
Mimico.....T	23.26	.....	60	2.7	1.1	0.83	10
Mitchell.....T	27.63	.....	60	2.9	1.1	0.83	10
Moorefield.....	52.02	.....	50	4.2	1.2	1.39	10
Mooretown Townsite.....	.....	33-66	50	6.0	2.0	3.00	10
Morrisburg.....	28.54	.....	60	3.0	1.0	0.83	10
Mount Brydges.....	30.67	.....	60	2.8	0.9	1.11	10
Mount Forest.....T	39.50	.....	60	3.0	1.25	0.83	10
Napanee.....T	26.70	.....	50	3.5	1.2	0.83	10
Neustadt.....	36.88	.....	60	6.0	1.5	1.67	10
Newburgh.....	.....	33	60	5.0	2.0	1.66	10
Newbury.....	39.83	.....	55	5.0	1.2	1.38	10
Newcastle.....	30.28	.....	60	4.8	1.2	1.11	10
New Hamburg.....	27.06	.....	60	3.3	1.1	0.83	10
New Toronto.....T	25.40	.....	60	2.4	1.0	0.83	10
Niagara Falls.....C	18.22	.....	60	2.2	0.8	0.83	10
Niagara-on-the-Lake..T	21.90	.....	60	2.6	1.0	0.83	10
Nipigon Twp.....	22.03	.....	60	3.0	1.0	1.11	10
Nipissing.....	.....	33	50	6.0	2.0	1.67	10
North Bay.....C	.....	.....	60	2.8	1.1	0.83	10
North York Twp.....	24.80	.....	55	3.8	1.3	0.83	10
Norwich.....	28.08	.....	60	2.8	0.9	0.83	10
Norwood.....	32.14	.....	50	4.0	1.2	1.11	10
Oil Springs.....	32.95	.....	60	2.6	0.9	1.11	10
Omeme.....	30.81	.....	60	3.5	1.3	0.83	10
Orangeville.....T	38.30	.....	55	3.0	1.0	1.11	10
Orono.....	37.68	.....	60	5.5	1.5	1.11	10
Oshawa.....C	27.62	.....	50	3.8	1.1	0.83	10
			(60	2.0)			
Ottawa.....C	15.54	33-66	(60	1.0)	0.5	0.83	10
Otterville.....	32.40	.....	60	2.8	0.9	1.11	10

"E"—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	3.6	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.66	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	..	10
5.0	1.7	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.8	0.8	1.39	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	5.5	1.5	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.5	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.8	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	6.0	2.0	5.00	10	.....	.....	.....	.....	.....	.....	..	..
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.2	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.4	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.0	2.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.38	10	47.00	1.00	5.2	3.5	0.33	.....	..	10
5.0	4.3	1.2	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	6.0	1.0	1.67	10	.....	.....	.....	.....	.....	.....	..	..
5.0	2.8	0.8	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.3	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.6	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.5	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.1	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	.....	15 & 10	10
5.0	2.5	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Owen Sound.....C	28.50	....	60	2.1	0.8	0.83	10
Paisley.....	43.94	....	45	5.0	1.0	1.39	10
Palmerston.....T	32.76	....	60	2.7	1.1	1.11	10
Paris.....T	23.80	....	60	2.3	0.9	0.83	10
Parkhill.....T	42.11	....	60	3.8	1.0	1.11	10
Penetanguishene.....T	29.23	....	55	3.2	1.1	0.83	10
Perth.....T	26.08	....	55	2.8	1.0	0.83	10
Peterborough.....C	23.62	....	55	2.7	1.2	0.83	10
Petrolia.....T	30.46	....	60	2.7	0.8	0.83	10
Pictou.....T	32.55	....	60	2.8	1.0	0.83	10
Plattsville.....	34.74	....	60	3.8	1.1	1.11	10
Point Edward.....	29.75	....	60	3.2	1.0	0.83	10
Port Arthur.....C	18.59	....	50	2.0	0.8	0.83	10 & 10
Port Carling.....	.....	33-66	45	4.7	1.5	1.66	10
Port Colborne.....T	23.92	....	60	3.0	1.0	0.83	10
Port Credit.....	25.32	....	60	2.5	1.0	0.83	10
Port Dalhousie.....	24.01	....	60	2.6	1.0	0.83	10
Port Dover.....	30.58	....	60	2.5	0.9	0.83	10
Port Elgin.....	35.11	33-66	40	2.5	1.2	1.11	10
Port Hope.....T	27.83	....	60	2.4	0.9	0.83	10
Port McNicoll.....	32.72	....	50	4.0	1.5	0.83	10
Port Perry.....	40.34	....	50	4.0	1.2	1.11	10
Port Rowan.....	34.82	....	60	3.2	1.1	1.39	10
Port Stanley.....	31.73	....	60	3.1	1.0	0.83	10
Powassan.....T	.....	33	40	5.0	2.0	1.11	10
Prescott.....T	26.10	....	60	2.5	1.1	0.83	10
Preston.....T	23.13	....	60	2.6	0.8	0.83	10
Priceville.....	46.76	33-66	60	6.0	1.5	1.67	10
Princeton.....	36.86	....	60	3.3	1.2	1.67	10
Queenston.....	23.11	....	60	3.0	1.3	1.11	10
Ramore-Matheson.....	.....	....	50	6.0	1.5	2.22	10
Red Lake Townsite.....	.....	....	55	4.8	1.2	1.00	10
Richmond.....	45.04	....	35	5.0	1.5	1.67	10
Richmond Hill.....	26.34	33-66	60	2.0	0.8	0.83	10
Ridgetown.....T	29.98	....	60	2.3	0.8	0.83	10
Ripley.....	50.15	....	55	6.0	1.5	1.67	10
Riverside.....T	28.85	....	60	3.5	1.0	0.83	10
Rockwood.....	30.36	....	60	3.3	1.1	1.11	10
Rodney.....	39.40	....	60	2.6	0.8	0.83	10
Rosseau.....	61.97	† 33	....	6.0	2.0	†2.22	10

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.8	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	4.4	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	2.2	0.9	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.6	0.9	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.2	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	2.00	..	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.3	0.83	10 & 10	17.00	1.00	1.7	1.1	*0.33	.....	25	10
5.0	4.5	0.8	1.66	10	32.00	1.00	3.1	2.0	0.133	.....	..	10
5.0	2.5	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	1.5	2.78	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.8	1.2	1.50	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	2.0	†2.22	10	50.00	1.00	5.7	3.8	0.33	.....	..	10

*0.33c. per kw-hr. for next 360 hours' use plus 0.133c. per kw-hr. for all additional.
†According to consumers' demand.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Russell.....	44.70	....	55	4.8	1.2	1.39	10
St. Catharines.....C	20.76	....	45-60	2.3	0.9	0.83	10
St. Clair Beach.....	33.39	....	60	4.2	1.3	1.67	10
St. George.....	33.75	....	60	3.2	1.1	1.11	10
St. Jacobs.....	26.75	....	60	2.8	1.0	0.83	10
St. Marys.....T	29.44	....	60	3.1	1.0	0.83	10
St. Thomas.....C	24.11	....	60	2.4	0.8	0.83	10
Sarnia.....C	26.84	....	60	2.5	0.8	0.83	10
Scarborough Twp.....	24.99	....	60	2.8	1.0	0.83	10
Seaforth.....T	28.60	....	60	2.9	1.1	0.83	10
Shelburne.....	37.40	....	50	3.8	1.0	1.11	10
Simcoe.....T	25.38	....	60	2.2	0.8	0.83	10
Sioux Lookout.....T	....	....	60	6.0	2.0	2.00	10
Smiths Falls.....T	24.78	....	55	3.0	1.0	0.83	10
Smithville.....	28.69	....	60	3.8	1.3	1.11	10
Southampton.....T	33.40	....	40	3.6	1.2	1.11	10
Springfield.....	37.53	....	60	3.6	1.1	1.11	10
Stamford Twp.....	18.09	....	60	3.0	1.0	0.83	10
Stayner.....T	33.53	....	55	3.0	1.1	0.83	10
Stirling.....	24.16	....	60	2.5	1.0	0.83	10
Stoney Creek.....	....	....	60	3.5	1.1	0.83	10
Stouffville.....	30.39	....	60	2.8	1.0	0.83	10
Stratford.....C	25.53	....	60	2.8	0.9	0.83	10
Strathroy.....T	25.97	....	60	2.6	0.8	0.83	10
Streetsville.....	28.14	....	55	3.5	1.0	0.83	10
Sudbury.....C	....	....	55	2.6	1.1	0.83	10
Sunderland.....	46.01	....	45	4.7	1.2	1.39	10
Sutton.....	37.47	....	55	3.3	1.1	1.11	10
Swansea.....	25.66	....	60	2.5	1.2	0.83	10
Tara.....	37.24	....	40	4.0	1.3	1.11	10
Tavistock.....	28.57	....	60	3.0	1.0	0.83	10
Tecumseh.....T	31.00	....	60	4.0	1.1	1.11	10
Teeswater.....	45.95	....	50	5.0	1.3	1.39	10
Thamesford.....	31.15	....	60	2.7	0.9	1.11	10
Thamesville.....	30.87	....	60	2.5	0.8	0.83	10
Thedford.....	47.49	....	55	5.0	1.2	1.11	10
Thorndale.....	43.00	....	60	4.2	1.2	1.11	10
Thornton.....	48.08	....	60	6.0	1.5	1.67	10
Thorold.....T	23.30	....	60	2.2	0.8	0.83	10
Tilbury.....T	28.54	....	60	2.2	0.8	0.83	10

“E”—Continued

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	4.5	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
†5.0	1.6	1/3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	4.3	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	2.0	*1.00	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	1.0	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.5	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.5	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.1	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.8	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	4.6	1.0	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.5	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10

†Min. 500 watts.

*\$1.00 per 100 watts. Min. \$2.00. Max. \$5.00.

STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for
for the Year 1943, in Urban Municipalities**

Municipality C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
Tillsonburg.....T	\$ c. 26.36	cents	60	cents 2.3	cents 0.8	\$ c. 0.83	% 10
Toronto.....C	22.24	a3	....	b1.8	1.0	0.83	10
Toronto Twp.....	26.08	....	60	2.9	1.0	1.11	10
Tottenham.....	56.55	....	35	5.5	1.5	1.67	10
Trafalgar Twp. Area 1.	27.30	....	60	3.1	1.7	*0.83 †2.22	10
Trafalgar Twp. Area 2.	28.82	....	60	3.6	1.2	1.11	10
Trenton.....T	22.36	....	50	3.0	1.0	0.83	10
Tweed.....	39.37	....	50	4.0	1.2	1.11	10
Uxbridge.....T	40.74	....	50	3.6	1.2	1.11	10
Victoria Harbour.....	34.51	....	60	2.8	1.0	1.11	10
Walkerton.....T	28.98	....	50	3.6	1.1	1.11	10
Wallaceburg.....T	28.06	....	60	2.6	0.8	0.83	10
Wardsville.....	42.22	....	60	5.5	1.5	1.39	10
Warkworth.....	34.94	....	50	4.0	1.2	1.11	10
Waterdown.....	25.22	....	60	2.5	1.0	0.83	10
Waterford.....	26.28	....	60	2.4	0.9	0.83	10
Waterloo.....T	23.28	....	60	2.0	0.9	0.83	10
Watford.....	33.50	....	60	3.3	1.0	1.11	10
Waubashene.....	31.16	....	55	3.0	1.0	1.11	10
Welland.....C	20.02	....	60	2.0	0.8	0.83	10
Wellesley.....	31.38	....	50	3.5	1.1	1.11	10
Wellington.....	31.17	....	60	2.8	1.25	0.83	10
West Lorne.....	33.36	....	60	2.8	0.8	0.83	10
Weston.....T	22.89	....	60	2.4	0.9	0.83	10
Westport.....	51.97	....	45	5.0	1.5	1.94	10
Wheatley.....	39.10	....	60	3.4	1.0	0.83	10
Whitby.....T	26.85	....	60	2.8	1.0	0.83	10
Warton.....T	46.14	....	50	3.2	1.0	1.39	10
Williamsburg.....	29.26	....	60	2.0	0.8	0.83	10
Winchester.....	29.13	....	60	2.4	1.2	0.83	10
Windermere.....	54.15	†33	....	5.0	1.5	†2.22	10
Windsor.....C	25.21	....	60	3.0	0.8	0.83	10
Wingham.....T	37.51	....	50	3.2	1.1	1.11	10
Woodbridge.....	26.40	....	60	3.0	1.1	0.83	10
Woodstock.....C	23.87	....	60	2.4	0.8	0.83	10
Woodville.....	45.55	....	50	3.8	1.0	1.11	10
Wyoming.....	37.72	....	60	3.3	0.9	1.11	10
York Twp.....	23.70	....	60	2.5	1.0	0.83	10
Zurich.....	39.77	....	60	4.0	1.0	1.11	10

aService Charge per 100 sq. ft. floor area.

bPer kw-hr. for 1st. 3 kw-hrs. per 100 sq. ft.

*Under 10 kw. \$0.83 minimum bill.

†Over 10 kw. \$2.22 minimum bill.

‡According to consumers' demand.

"E"—Concluded

Domestic Service—Commercial Light Service—Power Service
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
$c/3$	$2/3$	$1/3$	0.83	10		$d/D.C.$	3.0	1.2	0.6	.....	..	10
						$A.C.$	2.0	1.0	$e/1/3$	.....	..	10
									$1/6$	.....	..	10
5.0	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
10.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.8	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	1.6	0.3	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.5	1.0	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	5.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.3	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.0	1.5	12.22	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.7	0.9	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

cFirst 80 hours' use—3c. per kw-hr. Next 80 hours' use 2/3c. per kw-hr.

dD.C. service charge \$1.50 per kw. per month for 1st 7½ kw. plus \$1.05 per kw. for all additional demand.

A.C. service charge \$1.10 per kw. per month for 1st 7½ kw. plus \$0.90 per kw. for all additional demand.

e1/3c. per kw-hr. for next 300 hours' use plus 1/6c. per kw-hr. for all additional.

TABLE 1.		TABLE 2.	
TABLE 3.		TABLE 4.	
TABLE 5.		TABLE 6.	
TABLE 7.		TABLE 8.	
TABLE 9.		TABLE 10.	
TABLE 11.		TABLE 12.	
TABLE 13.		TABLE 14.	
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TABLE 17.		TABLE 18.	
TABLE 19.		TABLE 20.	
TABLE 21.		TABLE 22.	
TABLE 23.		TABLE 24.	
TABLE 25.		TABLE 26.	
TABLE 27.		TABLE 28.	
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TABLE 31.		TABLE 32.	
TABLE 33.		TABLE 34.	
TABLE 35.		TABLE 36.	
TABLE 37.		TABLE 38.	
TABLE 39.		TABLE 40.	
TABLE 41.		TABLE 42.	
TABLE 43.		TABLE 44.	
TABLE 45.		TABLE 46.	
TABLE 47.		TABLE 48.	
TABLE 49.		TABLE 50.	
TABLE 51.		TABLE 52.	
TABLE 53.		TABLE 54.	
TABLE 55.		TABLE 56.	
TABLE 57.		TABLE 58.	
TABLE 59.		TABLE 60.	
TABLE 61.		TABLE 62.	
TABLE 63.		TABLE 64.	
TABLE 65.		TABLE 66.	
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TABLE 69.		TABLE 70.	
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TABLE 73.		TABLE 74.	
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TABLE 77.		TABLE 78.	
TABLE 79.		TABLE 80.	
TABLE 81.		TABLE 82.	
TABLE 83.		TABLE 84.	
TABLE 85.		TABLE 86.	
TABLE 87.		TABLE 88.	
TABLE 89.		TABLE 90.	
TABLE 91.		TABLE 92.	
TABLE 93.		TABLE 94.	
TABLE 95.		TABLE 96.	
TABLE 97.		TABLE 98.	
TABLE 99.		TABLE 100.	

APPENDIX I

ACTS

CHAPTER 21

An Act respecting the Water Powers of the River Ottawa.

Assented to February 19th, 1943.

Session Prorogued April 14th, 1943.

WHEREAS the Legislature of the Province of Quebec has ^{Preamble} passed an Act entitled *An Act respecting the waterpowers of the river Ottawa*, being Chapter 33 of the Statutes of Quebec, 6 George VI (1942); and whereas His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario and the Quebec Streams Commission have entered into an agreement relating to water powers on the Ottawa River, a copy of which is set out in Appendix A to this Act, and it is expedient that such agreement be ratified and confirmed;

Therefore, His Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. In this Act,—

- (a) "land" and "lands" shall have the same meaning as <sup>Interpreta-
tion.</sup> "land" in *The Power Commission Act*; <sup>"land",
Rev. Stat.,
c. 62.</sup>
- (b) "Ontario Commission" shall mean The Hydro-Electric <sup>"Ontario
Commis-
sion",</sup> Power Commission of Ontario and any other corporation created to succeed it;
- (c) "Quebec Commission" shall mean The Quebec Streams <sup>"Quebec
Commis-
sion".</sup> Commission and any other corporation created to succeed it.

2.—(1) The agreement set out in Appendix A hereto as <sup>Agreement
ratified.</sup> executed by the parties thereto is hereby ratified and confirmed insofar as it is within the jurisdiction of this Legislature and made

binding upon His Majesty the King in the right of the Province of Ontario and upon the Ontario Commission, and the Minister of Lands and Forests and the Ontario Commission and each of them is authorized to do all acts and things necessary to carry out the terms thereof.

(2) The order of the Governor-General in Council, set out in Appendix B hereto, is hereby ratified and confirmed insofar as it is within the jurisdiction of this Legislature.

Ontario
Commission,
power of.

3.—(1) The Ontario Commission shall have and may exercise in its own name for and on behalf of His Majesty the King in right of the Province of Ontario, without the authority of the Lieutenant-Governor in Council, for the purposes of the said agreement, all the powers conferred upon it under *The Power Commission Act* and all the provisions of *The Public Works Act* which are incorporated in *The Power Commission Act* by section 21 thereof shall apply to any act done or proceeding taken by the Ontario Commission under this section.

Rev. Stat.,
cc. 62, 54.

Deposit
of plan.

(2) When any land or rights are expropriated by the Ontario Commission for and on behalf of His Majesty the King in right of the Province of Ontario the plan and description shall indicate that they are so acquired, and shall be deposited in the proper registry or land titles office, and thereupon, such land or rights shall become and be vested in His Majesty the King in right of the Province of Ontario.

Expenditure
of funds of
Commission.

4. The Ontario Commission is authorized to expend the funds of the Ontario Commission for the purpose of paying compensation for land and rights however acquired under this Act whether in the name of the Ontario Commission or in the name of the Ontario Commission for and on behalf of His Majesty the King in right of the Province of Ontario and as and to the extent that funds of the Ontario Commission are so used the Ontario Commission shall be entitled to receive from the Quebec Commission the amounts of money which the Quebec Commission is required to pay under the said agreement for such lands and rights, and when any land or rights are so acquired by the Ontario Commission in its own name the Ontario Commission shall convey or assign such land or rights to His Majesty the King in right of the Province of Ontario.

Purchase of
Carillon
lands.

5.—(1) The Ontario Commission shall be entitled to receive from the Quebec Commission the sum of \$2,462,933, specified in clause 3 of the said agreement and is authorized to pay out of its own funds the actual price to be paid by His Majesty the King in right of the Province of Ontario under the provisions of the said clause 3 for the lands and rights in Schedule C to the said agreement, and may acquire any such lands and rights in anticipation of a request therefor by the Quebec Commission.

(2) If the amount so paid by the Ontario Commission is less than the said sum of \$2,462,933, the difference arising therefrom shall either be applied by the Ontario Commission towards payment of the capital cost of developing the Cave & Fourneaux, Des Joachims and Chenaux water powers referred to in the said agreement or any of them or may be retained and set apart as a reserve pursuant to section 11 of *The Power Commission Act*, or may be used by the Ontario Commission at such time or times and in such manner as it may see fit to reduce the price payable to it for electrical power or energy by any of the municipal corporations which at such time or times it is supplying with electrical power or energy, except such municipal corporations as are supplied by it with electrical power or energy at a price fixed by contract and the said reduction in price shall be apportioned amongst such of the said municipal corporations and in such manner as the Ontario Commission may see fit.

Application
of excess
funds.

(3) If the said actual price so paid is in excess of the said sum of \$2,462,933, the amount of such excess shall either be charged by the Ontario Commission against the said capital cost of developing the said water powers or any of them, or shall at such time or times and in such manner as the Ontario Commission may see fit be charged in the price payable to the Ontario Commission for electrical power or energy by any of the municipal corporations which at such time or times the Ontario Commission is supplying with electrical power or energy and which in the opinion of the Commission may benefit from the development of the said water powers, except where under the terms of its contract with the Ontario Commission a municipal corporation is to be supplied with electrical power or energy at a fixed price and such charge shall be apportioned among such of the said municipalities and in such manner as the Ontario Commission may see fit.

Charging
of deficit.

(4) If it shall be necessary to acquire lands or rights or secure releases of claims or demands for which the Quebec Commission is not required to pay under the terms of the said agreement but which are necessary to enable His Majesty in right of the Province of Ontario to perform or fulfil His covenant for quiet enjoyment as contained in clause 19 of the said agreement or for such purpose to pay compensation pursuant to the Order of the Governor-General in Council referred to in subsection 2 of section 2 or if the Ontario Commission shall reimburse any municipality pursuant to section 13 the Ontario Commission is authorized to expend the funds of the Commission for such purpose and to charge such expenditure in the manner authorized in subsection 3 where the actual price paid under the provisions of clause 3 of the said agreement for lands and rights in Schedule C to the said agreement is in excess of the said sum of \$2,462,933, specified in the said clause 3.

Idem.

6. The Quebec Commission is authorized to divert water in the Ottawa River from its natural channel subject to returning the said water to the natural channel of the Ottawa River in accordance with the terms of the said agreement.

Diversion
of water.

Rights of
Quebec
Commission.
Rev. Stat.,
c. 62.

7. Notwithstanding anything contained in *The Power Commission Act*, no lands, rights or works, nor any essential part of the development of the said water powers, leased or licensed to the Quebec Commission under the said agreement shall be subject to the control of the Ontario Commission save as regards electrical power or energy distributed or sold in Ontario.

Idem.

8. Notwithstanding anything in any other Act to the contrary no lands, rights or works, nor any essential part of the development of the water powers leased or licensed to the Quebec Commission, shall be expropriated, taken or acquired without the consent of the Quebec Commission.

Idem.

Rev. Stat.,
cc. 252, 253.

9. *The Extra Provincial Corporations Act*, and *The Company's Information Act*, shall not apply to the Quebec Commission.

Idem.

Rev. Stat.,
c. 147.

10. Notwithstanding the provisions of *The Mortmain and Charitable Uses Act*, the Quebec Commission shall have the right to acquire and hold land in Ontario for the purposes of this agreement without obtaining a license under that Act.

Remedy in
damages.

11. No person claiming that he has been or may be injured by reason of any development contemplated by the said agreement shall have any remedy by way of injunction or other process but by way of damages only.

Taxation.

12. Notwithstanding anything in any other Act contained, all lands leased or licensed under the said agreement to the Quebec Commission and all rights, works and improvements required for their full utilization and the production of power shall be exempt from all provincial taxes and fees and from all municipal and school taxes and fees, and the Quebec Commission shall be wholly exempt from all provincial, municipal and school taxes and fees which might be imposed or assessed against it by reason of anything done under the said agreement or arising therefrom.

Loss of
municipal
revenue.

13.—(1) Any municipality which sustains loss of revenue from taxation upon lands acquired by or on behalf of His Majesty in right of Ontario for the development of water power at the Carillon site at the Rocher Fendu site or for the utilization of the lower half of the fall at the site known as Paquette in conjunction with the water power development at Rocher Fendu as provided in the agreement set out in Appendix A to this Act shall be entitled to compensation by the Ontario Commission for the amount of such loss.

Determina-
tion of
amount.

(2) The Ontario Municipal Board shall determine the amount of such loss on an annual basis and shall take into account all savings, benefits and advantages accruing to the municipality as a result of the acquisition of such lands or the development of such water power or such utilization of the lower half of the fall at the site known as Paquette including any payments made by the

Ontario Commission for capital assets lost or destroyed, and the amount determined in respect of any year shall be paid by the Ontario Commission to the municipality on or before the 30th day of June of such year.

(3) Every determination made by the Ontario Municipal Board shall be final and binding subject only to review and adjustment by the Ontario Municipal Board upon the application of the municipality or of the Ontario Commission at the end of each five-year period. Review.

(4) Every amount paid to a municipality under this section in any year shall be distributed in the same proportion and to the same bodies as the taxes levied by the municipality in such year. Distribution.

(5) All liability of the Ontario Commission under this section shall cease and terminate at the end of fifty years from the date of the said agreement. Cessation of liability.

(6) In this section "taxes" shall mean taxes levied for all municipal and school purposes and shall include local improvement charges and the portion of water rates charged for debenture purposes, and "taxation" shall have a corresponding meaning. "Taxes,"—defined.

14. Any amount paid by the Ontario Commission to a municipality under this Act shall be placed in a special account and no portion thereof shall be paid out or disbursed without the approval of the Minister of Municipal Affairs. Special account.

15.—(1) Any and all disputes arising between the parties to the said agreement, or any of them in relation to the said agreement, or the fulfillment of any of the terms, provisions or conditions thereof shall be decided, in accordance with the terms of the said agreement, by an arbitral tribunal composed of three members, appointed or chosen in accordance with the terms of the said agreement. Arbitration of disputes.

(2) The findings of any two members of the arbitral tribunal who are of the same opinion shall be the findings of the tribunal, and if more than one item is submitted to the tribunal at the same time, this rule shall apply to each item. Findings of tribunal.

(3) The arbitral tribunal shall have power to adjudicate upon the costs of the arbitration, but such costs shall not include the remuneration of the two members appointed by the Lieutenant-Governor in Council of the Province of Ontario and the Lieutenant-Governor in Council of the Province of Quebec respectively, each of whom shall be paid by the government appointing him. Costs.

(4) The remuneration of a member chosen by the Chief Justice of Canada in lieu of the Lieutenant-Governor in Council of a Province shall be paid by the government of such Province. Idem.

Fees of
member.

(5) The Lieutenant-Governor in Council may direct, in any case, that the remuneration of the member appointed by him shall be paid by the Ontario Commission.

Idem.

(6) The remuneration of a member chosen by the Chief Justice of Canada in lieu of the Lieutenant-Governor of Ontario shall be paid by the Ontario Commission.

Approval
of Works.

(7) In the event of refusal of approval by the Lieutenant-Governor in Council under *The Lakes and Rivers Improvement Act* of works to be constructed for the purposes of the said agreement, the Quebec Commission may appeal to the arbitral tribunal and an approval by the arbitral tribunal of such works shall have the same force and effect as if given by the Lieutenant-Governor in Council under the said Act.

High water
mark.

Rev. Stat.
c. 44.

(8) Notwithstanding the provisions of subsection 3 of section 1a of *The Bed of Navigable Waters Act*, the Quebec Commission may appeal to the arbitral tribunal from a decision of the Minister of Lands and Forests made thereunder and the arbitral tribunal may, for the purposes of the said agreement, fix the high water mark with respect to any part of the Ottawa River.

Appeal.

Rev. Stat.,
c. 109.

(9) Notwithstanding the provisions of *The Arbitration Act*, an appeal shall lie from the finding or decision of the arbitral tribunal direct to the Court of Appeal for Ontario as from a final judgment of the High Court of Justice for Ontario in all matters to which, by the terms of the said agreement, the laws of Ontario are made to apply.

Application
of Rev. Stat.,
c. 109.

(10) The provisions of *The Arbitration Act* which are not inconsistent with this Act or with the said agreement, shall apply to disputes arising from matters to which, by the terms of the said agreement, the laws of Ontario are made to apply.

Deposit of
copy of Act
in registry
offices.

Rev. Stat.,
c. 170.

16.—(1) A copy of this Act shall be deposited by the Ontario Commission in the Registry Office for the Registry Division of the County of Prescott, and in the Registry Office for the Registry Division of the County of Renfrew and the agreement shall thereupon be entered by the registrars of deeds for the said registry divisions in the abstract index of such lands described in Schedule A to the said agreement as are within the respective registry divisions and such deposit shall be deemed to be registration of the agreement for all the purposes of *The Registry Act*.

Deposit of
Orders-in-
Council.

(2) A copy of every Order-in-Council made pursuant to clause 3 or clause 4 of the agreement shall be deposited by the Ontario Commission in the registry office or registry offices in which is registered the title to any lands affected by such Order-in-Council, and the registrar of deeds shall thereupon enter the Order-in-Council and the agreement in the abstract index of such lands as are affected by the Order-in-Council and are within his

registry division and such deposit shall be deemed to be registration of the Order-in-Council and of the agreement for all the purposes of *The Registry Act*. Rev. Stat., c. 170.

(3) The Ontario Commission shall deposit in the Registry Office for the Registry Division of the County of Prescott the plan referred to in Schedule C to the agreement, and the Registrar of Deeds for such registry division shall at the request of the Ontario Commission enter in the abstract index of each parcel or tract of land within the area shown coloured red or the area shown coloured green on the said plan the following—"These lands are subject to *The Ottawa River Water Powers Act, 1943*." Deposit of plan.
1943, c. 21.

(4) Every registrar of deeds who makes any entry pursuant to subsection 1, 2 or 3 shall be entitled to collect from the Ontario Commission his proper fees therefor and the Ontario Commission is authorized to pay the said fees out of its funds. Fees of Registrars of Deeds.

17. Every description contained in this Act, in the Agreement forming Appendix A hereto, in any schedule to or any document executed pursuant to such agreement or in any Order-in-Council passed hereunder shall be deemed a sufficient description for all purposes. Sufficiency of descriptions.

18. This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

19. This Act may be cited as *The Ottawa River Water Powers Act, 1943*. Short title.

APPENDIX A

to An Act respecting the Waters Powers of the River Ottawa.

THIS AGREEMENT made in quadruplicate the 2nd day of January, A.D. 1943;
BETWEEN:

HIS MAJESTY THE KING IN RIGHT OF THE PROVINCE OF ONTARIO, (herein represented by the Honourable Norman O. Hipel, Minister of Lands and Forests), hereinafter called "Ontario"

HIS MAJESTY THE KING IN RIGHT OF THE PROVINCE OF QUEBEC, (herein represented by the Honourable Wilfrid Hamel, Minister of Lands and Forests), hereinafter called "Quebec" OF THE FIRST PART,

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO, hereinafter called the "Ontario Commission" OF THE SECOND PART,

—and— OF THE THIRD PART,

THE QUEBEC STREAMS COMMISSION, hereinafter called the "Quebec Commission" OF THE FOURTH PART,

WHEREAS by an Act of the Legislature of the Province of Quebec entitled "An Act respecting the waterpowers of the River Ottawa", 6 George VI, 1942, Chapter 33, it is enacted that the Lieutenant-Governor in Council may authorize the Minister of Lands and Forests to lease to the

Ontario Commission, or to any other corporation formed by the Province of Ontario to succeed such Commission, that portion situated in the Province of Quebec of the waterpowers of the River Ottawa known as Cave & Fourneaux, Des Joachims and Chenaux, including the land required for the sites of the necessary works for the development of such waterpowers, and all the rights, within the legislative authority of the Province of Quebec, required to utilize such waterpowers by raising the water in the river to the following head-water levels (feet above mean sea-level), namely:

Cave & Fourneaux.....	575
Des Joachims.....	500
Chenaux.....	285

AND WHEREAS the said legislation provides that such lease may include the right to utilize, in conjunction with the Des Joachims waterpower, one-half of the fall at the site known as Paquette;

AND WHEREAS the said legislation enacts that the said lease may be granted only in return for a lease by Ontario to the Quebec Commission, or to any other corporation formed by the Province of Quebec to succeed it, of that portion, situated in the Province of Ontario, of the waterpowers of the River Ottawa known as Rocher Fendu and Carillon, including the land required for the sites of the necessary works for the development of such waterpowers, and all the rights within the legislative authority of the said province, required to utilize such waterpowers by raising the water in the river to the following head-water levels (feet above mean sea-level), namely:

Rocher Fendu.....	350
Carillon.....	135

AND WHEREAS the said legislation provides that the said lease may include the right to utilize, in conjunction with the Rocher Fendu waterpowers, one-half of the fall at the site known as Paquette;

AND WHEREAS the Ontario Commission is agreeable to entering into these presents so that a lease to it may be granted by Quebec pursuant to the said legislation;

AND WHEREAS Ontario is agreeable to entering into these presents for the purpose of granting to the Quebec Commission the lease from Ontario contemplated by such legislation;

AND WHEREAS the Quebec Commission is willing to enter into these presents to receive such lease from Ontario;

NOW THEREFORE THIS INDENTURE WITNESSETH that in consideration of the premises and the other considerations herein appearing the parties hereto agree as hereinafter appears.

1. Wherever "Quebec Commission" appears herein it shall be deemed to include the Quebec Commission and any other Corporation formed by Quebec to succeed the said Quebec Commission, wherever "Ontario Commission" appears herein it shall be deemed to include the Ontario Commission and any other Corporation formed by Ontario to succeed the said Ontario Commission and wherever "level" appears herein it shall mean elevation above mean sea level according to geodetic survey of Canada datum.

2. (a) For the development of the waterpower at Carillon, Ontario hereby demises and leases unto the Quebec Commission those certain parcels or tracts of land and land under the waters of the Ottawa River, situated in the townships of Hawkesbury East and Hawkesbury West, in the County of Prescott, in the Province of Ontario, containing by admeasurement an area of 1900 acres, more or less, being the lands described in paragraph 1 of Schedule A hereto, together with such lands owned by Ontario, not exceeding in area two hundred acres, as shall be reasonably required for the site of the works necessary for the development of the said water power (including access to the said works) and which are of such nature that they cannot be conveniently and economically constructed on the lands described in the said paragraph 1 of Schedule A, or on lands in the Province of Quebec; and

2. (b) Ontario also hereby gives leave and license and due and full permission to the Quebec Commission to enter upon, possess, occupy, use and enjoy for flooding purposes only, such additional lands owned by Ontario as are necessary to enable the head-water level of the Carillon waterpower to be raised to a level of 135 feet, and to enable water to be diverted pursuant to clause 7; provided, however, that the Quebec Commission shall give Ontario not less than twelve months' written notice before flooding the said lands or any part thereof and that during the first three months of the said period of notice Ontario shall have the privilege of licensing or authorizing any person to enter upon the said lands or any part thereof and carry on lumbering operations thereon until the expiration of the said period of notice. If during the said three months Ontario shall not have licensed or authorized any person to enter upon the said lands or any part thereof to carry on lumbering operations thereon, the Quebec Commission may enter upon the said lands or any part thereof and carry on lumbering operations thereon. The Quebec Commission shall within three months after the expiration of the said period of notice pay Ontario for all timber cut by it on the said lands, and also for all timber remaining uncut on the said lands at the expiration of the said period of notice, all according to the rates shown in Schedule B thereto.

2. (c) For the development of the waterpower at Rocher Fendu and the utilization in conjunction therewith of the lower half of the fall at the site known as Paquette, Ontario hereby demises and leases unto the Quebec Commission those certain parcels or tracts of lands and lands under the waters of the Ottawa River, situate in the Townships of Ross, Westmeath and Pembroke, in the County of Renfrew, in the Province of Ontario, containing by admeasurement an area of 10,000 acres, more or less, being the lands described in paragraph 2 of Schedule A hereto, together with such lands owned by Ontario, not exceeding in area two hundred acres, as shall be reasonably required for the site of the works necessary for the development of the said waterpower (including access to the said works) and which are of such nature that they cannot be conveniently and economically constructed on the lands described in the said paragraph 2 of Schedule A, or on lands in the Province of Quebec; and

2. (d) Ontario also hereby gives leave and license and due and full permission to the Quebec Commission to enter upon, possess, occupy, use and enjoy, for flooding purposes only, such additional lands owned by Ontario as are necessary to enable the head-water level of the Rocher Fendu waterpowers to be raised to a level of 350 feet and also to enable the lower half of the fall at the site known as Paquette to be utilized in conjunction therewith, and to enable water to be diverted pursuant to clause 7; provided, however, that the Quebec Commission shall give Ontario not less than twelve months' written notice before flooding the said lands or any part thereof, and that during the first three months of the said period of notice Ontario shall have the privilege of licensing or authorizing any person to enter on the said lands or any part thereof and carry on lumbering operations thereon until the expiration of the said period of notice. If during the said three months Ontario shall not have licensed or authorized any person to enter upon the said lands or any part thereof to carry on lumbering operations thereon, the Quebec Commission may enter upon the said lands or any part thereof and carry on lumbering operations thereon. The Quebec Commission shall within three months after the expiration of the said period of notice pay Ontario for all timber cut by it on the said lands, and also for all timber remaining uncut on the said lands at the expiration of the said period of notice, all according to the rates shown in Schedule B hereto.

SAVING, EXCEPTING AND RESERVING nevertheless unto Ontario in respect of lands referred to in this clause (2), all the ores, mines and minerals (including sand and gravel) which are or shall hereafter be found on or under the said lands, and access thereto; provided that nothing done in respect of or under or pursuant to such reservation shall interfere with or restrict or imperil the full development and use of the said waterpowers to the extent contemplated by this agreement, and provided further that the Quebec Commission may utilize free of charge in the construction of the works referred to in clause 6 any and all sand and gravel on or under the said lands, not otherwise disposed of by Ontario, and also any and all rock which does not contain ore or minerals.

TO HAVE AND TO HOLD the same with the appurtenances thereto unto the Quebec Commission for the full end and term of nine hundred and ninety-nine (999) years to be computed from the date hereof, yielding and paying as rental therefor, unto His Majesty and His Heirs and Successors in right of the Province of Ontario at the Treasury Department, Toronto, yearly and every year during the said term hereby created after the commencement date for rental hereinafter specified in this clause, in lawful money of Canada, at the rate of One Dollar (\$1.00) for each and every average yearly horsepower of energy produced by the said Quebec Commission from Ontario's share of the water.

For the purpose of calculating the amount of such horsepower produced from Ontario's share of the water, under and by virtue of these presents, one-half of all the power produced in any lease year at each site, shall be deemed to have been developed from Ontario's share of the water at each respective site.

For the purpose of so calculating the power produced at the Rocher Fendu site all the power produced in the Grand Calumet Channel shall be included; provided that the power produced at the Rocher Fendu site in any lease year from Ontario's share of the water shall be deemed to be not greater than the quantity produced in excess of fifty thousand average yearly horsepower.

In the event that Ontario's share of the water or any portion thereof is utilized to produce electrical power or energy, then the amount of such electrical power or energy so produced shall be determined by suitable measurements at the generator terminals at the site of the development. In the event that Ontario's share of the water or any portion thereof is utilized to produce forms or types of power or energy other than electrical power or energy, then the amount thereof shall be determined by appropriate methods of measurement.

For the purposes of this lease, one horsepower shall be taken to be .746 kilowatts or 550 foot pounds of work per second.

Suitable measuring instruments shall be provided and records kept by the Quebec Commission which shall at all times allow access thereto and supply reports therefrom to Ontario.

Separate bills for rental shall be rendered for each and every site.

The said rentals shall commence on the first day the development of the said waterpowers or either of them is in operation and produces power or energy. The first payment of such rental shall be for the period from the said first day of operation and production to the 31st day of March next

following, inclusive, and shall be paid on or before the 1st day of May immediately succeeding. Lease years after the said period for which the first payment is to be so made shall terminate on the 31st day of March in each and every year, and rental for each such lease year shall be paid on or before the 1st day of May next following.

The said rentals payable by the Quebec Commission hereunder shall be subject to review at the end of twenty-five (25) years from the date hereof, and thereafter at the end of each and every twenty-five (25) years until the expiry or earlier determination of this lease. If at the end of such twenty-five (25) year periods or any of them, it shall appear necessary or desirable that the amounts to be paid hereunder should be adjusted, then such adjustments may be made by agreement between the parties hereto, and failing such agreement shall be submitted to the arbitral tribunal as provided in Clause 46.

3. Ontario further covenants and agrees that it will as and when requested by the Quebec Commission acquire all lands and rights in the Province of Ontario not owned by Ontario, and which are necessary to enable the head-water level of the Carillon waterpower to be raised to a level of 135 feet, and to enable water to be diverted pursuant to Clause 7, in respect of the Carillon waterpower, and to provide the site and access referred to in Clause 2(a). The Quebec Commission before or at the time of making such request shall furnish Ontario with a complete detailed description of all such lands and rights. Upon such acquisition the said lands and rights shall by Order of the Lieutenant-Governor of Ontario-in-Council be added to the properties leased to the Quebec Commission by Clause 2, and shall be subject to the provisions of the said Clause 2.

The Quebec Commission shall when making request for the said lands and rights as aforesaid pay to Ontario, or such person or corporation as Ontario may direct, \$2,462,933 for such portion thereof as is described in Schedule C hereto, regardless of the actual price paid by Ontario for the said lands and rights, and Ontario shall not be obliged or required to account for any difference between the said sum of \$2,462,933 and the actual price paid for the said portion of the said lands and rights by Ontario. The said lands and rights in respect of which the Quebec Commission is to pay Ontario the said sum of \$2,462,933, shall comprise only the lands and rights described in Schedule C hereto, and if the Quebec Commission requests Ontario to acquire other lands or rights pertaining to the Carillon waterpower the Quebec Commission shall pay Ontario the price paid by Ontario therefor, together with the cost of such acquisition. Subject to the provisions of Clause 9 damage to or encroachment upon any waterpower not within the limits of the lands described in paragraph 1 of Schedule A shall not be deemed to be included in lands and rights in respect of which the said sum of \$2,462,933 is to be paid. The said sum of \$2,462,933 shall be deemed to include compensation for the relocation or alteration of highways owned by Ontario within the limits described in Schedule C, the Quebec Commission undertaking to cause to be constructed in the Province of Quebec a highway connecting the Quebec provincial highway system with the relocated Ontario highway which shall extend to the interprovincial boundary line. If Ontario fails to acquire lands and rights in respect of the Carillon waterpower in accordance with the said complete detailed description referred to hereinabove in this clause, when so requested by the Quebec Commission, and if the Quebec Commission has fully complied with the provisions of this Clause 3, Ontario shall pay for all damage resulting therefrom in the Province of Ontario, but if the Quebec Commission fails to furnish Ontario with the complete detailed description of lands and rights hereinabove referred to in this Clause 3, or has otherwise failed to comply with such provisions, the Quebec Commission shall be liable for any additional expense resulting therefrom.

True copies of the plan referred to in Schedule C shall be verified by the signature of the Minister of Lands and Forests for the Province of Ontario, the Minister of Lands and Forests for the Province of Quebec and the Corporate seals of the Ontario Commission and the Quebec Commission, and shall be delivered to each of the parties hereto.

The "High Water Mark" shown on the said plan shall be deemed to be indicative only, and the lands shown as extending to the said "High Water Mark" shall be deemed to extend to the actual high water mark of the Ottawa River.

The inclusion of Periwig Island in the lands shown coloured red on the said plan shall not constitute an admission by Quebec or the Quebec Commission that the island lies within the Province of Ontario.

4. Ontario further covenants and agrees that it will as and when requested by the Quebec Commission acquire all lands and rights in the Province of Ontario not owned by Ontario, and which are necessary to enable the head-water level of the Rocher Fendu waterpower to be raised to 350 feet and to enable water to be diverted pursuant to Clause 7, in respect of the Rocher Fendu waterpower, and to enable the lower half of the fall at the site known as Paquette to be utilized in conjunction with the waterpower development at Rocher Fendu, and to provide the site and access referred to in Clause 2 (c). The Quebec Commission shall before or at the time of making such request furnish Ontario with a complete detailed description of all such lands and rights. Upon such acquisition the said lands and rights acquired pursuant to this Clause 4 shall by Order of the Lieutenant-Governor of Ontario-in-Council be added to the properties leased to the Quebec Commission by Clause 2, and shall be subject to the provisions of the said Clause 2. If Ontario fails to acquire lands and rights in accordance with the said complete detailed description referred to hereinabove in this clause, when so requested by the Quebec Commission, and if the

Quebec Commission has fully complied with the provisions of this Clause 4, Ontario shall pay for all the damage resulting therefrom in the Province of Ontario, but if the Quebec Commission fails to furnish Ontario with the complete detailed description of lands and rights hereinbefore referred to in this Clause 4, or has otherwise failed to comply with such provisions, the Quebec Commission shall be liable for any additional expense resulting therefrom.

For all lands and rights acquired by Ontario for the Quebec Commission either pursuant to the foregoing provisions of this Clause 4, or otherwise for the purposes of this agreement, being other than the lands and rights relative to the Carillon waterpower, described in Schedule C, the Quebec Commission shall pay to Ontario, or such person or corporation as Ontario may direct, the purchase price paid by or on behalf of Ontario to acquire such lands and rights together with the cost of acquiring them as and when the same are so acquired. For lands or rights, other than those described in Schedule C, Ontario shall not pay a higher price than such price as shall be approved by the Quebec Commission, provided, however, that if the owner or owners of such lands or rights shall be unwilling to accept the purchase price which the Quebec Commission is willing to approve, the said lands or rights shall be expropriated by or on behalf of Ontario, and Ontario shall pay as the purchase price thereof, the proper amount as determined in such expropriation proceedings. The Quebec Commission shall thereupon reimburse Ontario accordingly, and the costs of such expropriation shall be deemed to be included in the cost of acquiring the said lands or rights.

5. Whenever under the provisions of clauses 3 or 4 the Quebec Commission makes a proper request that Ontario acquire lands or rights, and complies fully with the provisions of the clause or clauses hereof relating to such request, Ontario shall do everything within the legislative authority of the Province of Ontario to put the Quebec Commission in possession of such lands or rights for the purposes of this agreement within three (3) months from the receipt of such request.

6. Upon the said properties hereby leased to the Quebec Commission the said Quebec Commission may construct buildings, dams, weirs, tunnels, races, flumes, sluices, pits and such other structures and works as it may deem necessary or desirable to develop the said Carillon and Rocher Fendu waterpowers and to utilize the lower half of the fall at the site known as Paquette subject to the provisions of The Lakes and Rivers Improvement Act, R.S.O. 1937, Chapter 45, provided, however, that should approval thereof, or of any part thereof, under the said The Lakes and Rivers Improvement Act or similar legislation of the Province of Ontario be refused, the Quebec Commission may appeal therefrom to the arbitral tribunal provided for in Clause 46 hereof. The Quebec Commission may appeal to the said arbitral tribunal from any decision of the Minister of Lands and Forests fixing the high water mark of the Ottawa River under the provisions of sub-section 3 of section 1a of The Bed of Navigable Waters Act, as re-numbered and amended by section 3 of The Statute Law Amendment Act, 1940, or similar legislation of the Province of Ontario.

7. The Quebec Commission may divert water in the Ottawa River from its natural channel as part of or pertaining to the development of waterpowers at Carillon and Rocher Fendu authorized hereby at or above the sites of the said respective waterpowers subject to returning the said water to the natural channel of the Ottawa River below the said respective sites.

8. The Quebec Commission shall and will indemnify and save harmless Ontario and the Ontario Commission from any loss, costs, damage, damages or expenses Ontario or the Ontario Commission may sustain, suffer or be put to by reason of or on account of the Quebec Commission exceeding the rights or powers hereby granted to it or exercising the same in a negligent manner.

9. Ontario and the Ontario Commission respectively release and discharge the Quebec Commission from all claims and demands for or in respect of damage or loss sustained by Ontario or the Ontario Commission in respect of any waterpower upon waters tributary to the Ottawa River owned or operated by Ontario or the Ontario Commission, occasioned by or on account of the Quebec Commission exercising in a proper manner the rights, powers and privileges hereby granted to it in accordance with the terms hereof.

10. Subject to the provisions of Clause 9 the Quebec Commission assumes any and all liability in respect to damage to or encroachment upon any waterpower not within the limits of the lands described in Schedule A occasioned by anything done or purported to be done under or pursuant to these presents by the Quebec Commission or anyone on its behalf, and the Quebec Commission agrees to indemnify and save harmless Ontario therefrom.

11. The Quebec Commission shall whenever so required by or on behalf of Ontario erect and maintain durable and efficient fishways for the free passage of fish.

12. Upon the expiry of the term of the lease of the properties hereby leased to the Quebec Commission or upon its earlier termination the said properties and all works constructed thereon shall revert to Ontario.

13. If and whenever the rentals hereby reserved or any part thereof shall be unpaid for ninety (90) days after any of the days on which same ought to be paid, the Lieutenant-Governor in Council of Ontario may upon five (5) years' notice to the Quebec Commission of its intention so

to do, and provided that default in payment continues, cancel the lease or license of that portion of the properties hereby leased or licensed to the Quebec Commission in respect of which default so continues, but such cancellation shall not affect the rights of any of the parties in respect of the remaining portion of any properties leased or licensed under these presents.

If at any time or times when any rentals hereby reserved or any part thereof payable by the Quebec Commission to Ontario shall remain unpaid after the same shall have become due and payable, there shall be any rentals due by the Ontario Commission to Quebec under later provisions of these presents the Ontario Commission may pay the said rentals due as aforesaid to Ontario instead of to Quebec in the amount in which the Quebec Commission is in default, or on account thereof, whereupon the Ontario Commission shall be credited accordingly.

14. No lands, rights or works erected thereon nor any essential part of the development of the said waterpowers shall be expropriated from the Quebec Commission by Ontario or under the authority of any present or future Act of the Legislature of the Province of Ontario. The Quebec Commission shall not be subject to the control by the Ontario Commission contemplated by The Power Commission Act, R.S.O. 1937, Chapter 62, and amendments thereto, or by any similar Act, save as regards electric power or energy distributed or sold in Ontario.

The Quebec Commission shall not be required to obtain a license or to file a prospectus or returns under The Extra Provincial Corporations Act, R.S.O. 1937, chapter 252 or The Companies Information Act, R.S.O. 1937, chapter 253, or any similar legislation.

15. The Quebec Commission shall pay to Ontario or to the Ontario Commission at the same times as the rentals under Clause 2 are payable a fair annual charge to recompense Ontario or the Ontario Commission for expenses incurred for works heretofore or hereafter constructed or executed to increase or regulate the flow of the Ottawa River at the said Carillon and Rocher Fendu water-power sites or either of them, the amount of such annual charge to be based upon the benefit derived by the Quebec Commission from such works as compared with the benefit derived therefrom by the waterpower developments in the Provinces of Ontario and Quebec directly affected thereby. Provided, however, that nothing in these presents shall be deemed to authorize the construction of such works in the interprovincial section of the Ottawa River.

No such works shall be constructed until the Quebec Commission shall have been given three months' notice thereof in writing and if the Quebec Commission objects thereto an issue in respect of the construction or non-construction of such works shall be submitted to the arbitral tribunal provided for in Clause 46. The amount of such annual charges from time to time if not agreed upon by the Quebec Commission with the party constructing the said works shall be submitted to the said arbitral tribunal.

16. The Quebec Commission shall establish and collect an adequate general tariff (subject to the approval of the Lieutenant-Governor in Council of the Province of Quebec) of fees or charges to be paid by all persons and corporations in the Province of Quebec other than the parties to these presents who use the waters of the Ottawa River to recompense Ontario or the Ontario Commission for expenses incurred for works heretofore or hereafter constructed or executed to increase or regulate the flow of the Ottawa River, the said tariff to be based on a comparison between the benefit derived by each of the said persons or corporations and the benefit derived therefrom by the waterpower developments in the Provinces of Ontario and Quebec directly affected thereby, and subject to submission to the said arbitral tribunal in respect to the amount of such fees and charges. Waterpower developments of the Quebec Commission on the Ottawa River, other than at the said Carillon and Rocher Fendu sites, shall for the purposes of this Clause 16 be deemed to be waterpower developments of a corporation using the waters of the Ottawa River other than the parties to these presents, and the Quebec Commission shall be bound by the said general tariff in respect thereof and pay thereunder. All sums so collected and all amounts otherwise payable under this Clause 16 by the Quebec Commission shall be paid by the Quebec Commission to Ontario or the Ontario Commission whichever has or shall have incurred the expenses.

17. Ontario covenants and agrees that in so far as it may be within its legislative jurisdiction the legal remedies within the Province of Ontario of any person or corporation not a party to these presents, who shall claim that he has been or may be injured by reason of the development of the said Carillon or Rocher Fendu waterpower sites or the utilization of the lower half of the fall at the said site known as Paquette, shall be restricted to claims for damages only, and a claim for an injunction by the Courts of the Province of Ontario in respect of any such injury as may be alleged, shall be prohibited.

18. Notwithstanding The Mortmain and Charitable Uses Act, R.S.O. 1937, Chapter 147, or any amendment thereto or substitution therefor, the Quebec Commission shall have the right to hold in the Province of Ontario the lands and rights hereby leased or licensed to it, and all works and improvements required for their full utilization and the production of power. Notwithstanding any general law or special Act such leased or licensed lands and such rights, works and improvements shall be exempt from all provincial taxes and fees payable to the Province of Ontario and from all municipal and school taxes and fees, and the Quebec Commission shall be wholly exempt from all provincial, municipal and school taxes and fees which might be imposed or assessed against it by reason of anything done under this agreement or arising herefrom.

19. Ontario covenants and agrees with the Quebec Commission that if and so long as the Quebec Commission pays the rental to be paid by it, and performs its covenants, promises and agreements hereunder, the Quebec Commission shall and may peaceably possess and enjoy the lands leased and licensed to it hereby for the term hereby granted for the purposes of this agreement, without any interruption or disturbance from Ontario, or any other person or persons lawfully claiming by or under Ontario, or its predecessors in right and title. Notwithstanding anything contained in Clause 20 hereof, Ontario does, in particular, so covenant and agree with the Quebec Commission that the latter shall and may so possess and enjoy the lands leased or licensed to it in the townships of East Hawkesbury and West Hawkesbury in the County of Prescott without interruption or disturbance arising out of any lease heretofore granted by His Majesty in right of Canada of any portion thereof or of any rights therein for the development of water power, subject to the retention by His Majesty in right of Canada of such rights in the lands covered by any such lease as His Majesty in right of Canada may deem necessary for the requirements of navigation.

20. Any right, title or interest taken by the Quebec Commission hereunder shall be taken subject to the legislative authority or any prior right, title or interest of the Dominion of Canada thereover or therein to the extent, if any, of such legislative authority or prior right, title or interest.

21. Ontario covenants, promises and agrees to and with the Quebec Commission that it will from time to time and at all times, hereafter, upon every reasonable request execute or cause to be made, done or executed all such further and other lawful acts, deeds, things, devices and assurances in the law whatsoever, for the better, more perfectly and absolutely giving effect to the intention of these presents.

22. In so far as these presents relate to properties and rights in the Province of Ontario they shall be deemed to have been executed in the Province of Ontario and the law of Ontario shall apply.

23. (a) For the development of the Chenaux waterpower Quebec hereby leases unto the Ontario Commission those certain parcels or tracts of land and land under the waters of the Ottawa River, situate in the Townships of Litchfield and Grand Calumet, in the County of Pontiac, in the Province of Quebec; containing by admeasurement an area of 1775 acres, more or less, being the lands described in paragraph 1 of Schedule D hereto, together with such lands owned by Quebec, not exceeding in area two hundred acres, as shall be reasonably required for the site of the works necessary for the development of the said waterpowers (including access to the said works) and which are of such nature that they cannot be conveniently and economically constructed on the lands described in the said paragraph 1 of Schedule D or on lands in the Province of Ontario.

23. (b) Quebec also hereby gives leave and license and due and full permission to the Ontario Commission to enter upon, possess, occupy, use and enjoy for flooding purposes only, such additional lands owned by Quebec as are necessary to enable the head-water level of the Chenaux waterpower to be raised to a level of 285 feet, and also to enable water to be diverted pursuant to Clause 28, provided, however, that the Ontario Commission shall give Quebec not less than twelve months' written notice before flooding the said lands or any part thereof, and that during the first three months of the said period of notice Quebec shall have the privilege of licensing or authorizing any person to enter upon the said lands or any part thereof and carry on lumbering operations thereon until the expiration of the said period of notice. If during the said three months Quebec shall not have licensed or authorized any person to enter upon the said lands or any part thereof to carry on lumbering operations thereon, the Ontario Commission may enter upon the said lands, or any part thereof and carry on lumbering operations thereon. The Ontario Commission shall within three months after the expiration of the said period of notice pay Quebec for all timber cut by it on the said lands, and also for all timber remaining uncut on the said lands at the expiration of the said period of notice, all according to the rates shown in Schedule E hereto.

23. (c) For the development of the waterpower at Des Joachims and the utilization in conjunction therewith of the upper half of the fall at the site known as Paquette, Quebec hereby leases unto the Ontario Commission those certain parcels or tracts of land and land under the waters of the Ottawa River, situate in the Townships of Aberdeen, Aberford, Eddy, Edwards and Boisclerc, in the Counties of Pontiac and Temiscamingue, in the Province of Quebec, containing by admeasurement an area of 4,800 acres, more or less, being the lands described in paragraph 2 of Schedule D hereto, together with such lands owned by Quebec, not exceeding in area three hundred acres, as shall be reasonably required for the site of the works necessary for the development of the said waterpowers (including access to the said Works) and which are of such nature that they cannot be conveniently and economically constructed on the lands described in the said paragraph 2 of Schedule D or on lands in the Province of Ontario.

23. (d) Quebec also hereby gives leave and license and due and full permission to the Ontario Commission to enter upon, possess, occupy, use and enjoy for deepening purposes only, such other portions of the bed of the river Ottawa owned by Quebec as are necessary to enable the Ontario Commission to utilize in conjunction with the development of the waterpower of Des Joachims the upper half of the fall at the site known as Paquette; and

23. (e) Quebec also hereby gives leave and license and due and full permission to the Ontario Commission to enter upon, possess, occupy, use and enjoy for flooding purposes only, such additional lands owned by Quebec as are necessary to enable the head-water level of the Des Joachims waterpower to be raised to a level of 500 feet; and also to enable water to be diverted pursuant to Clause 28; provided, however, that the Ontario Commission shall give Quebec not less than twelve months' written notice before flooding the said lands or any part thereof, and that during the first three months of the said period of notice Quebec shall have the privilege of licensing or authorizing any person to enter upon the said lands or any part thereof and carry on lumbering operations thereon until the expiration of the said period of notice. If during the said three months Quebec shall not have licensed or authorized any person to enter upon the said lands or any part thereof to carry on lumber operations thereon, the Ontario Commission may enter upon the said lands or any part thereof and carry on lumbering operations thereon. The Ontario Commission shall within three months after the expiration of the said period of notice pay Quebec for all timber cut by it on the said lands, and also for all timber remaining uncut on the said lands at the expiration of the said period of notice, all according to the rates shown in Schedule E hereto.

23. (f) For the development of the Cave & Fournieux waterpowers Quebec hereby leases unto the Ontario Commission those certain parcels or tracts of land and land under the waters of the Ottawa River, situate in the Townships of Boisclerc, Campeau and Gendreau, in the County of Temiscamingue, in the Province of Quebec, containing by admeasurement an area of 2700 acres, more or less, being the lands described in paragraph 3 of Schedule D hereto, together with such lands owned by Quebec, not exceeding in area two hundred acres as shall be reasonably required for the site of the works necessary for the development of the said waterpowers (including access to the said works) and which are of such nature that they cannot be conveniently and economically constructed on the lands described in said Schedule D or on lands in the Province of Ontario; and

23. (g) Quebec also hereby gives leave and license and due and full permission to the Ontario Commission to enter upon, possess, occupy, use and enjoy for flooding purposes only, such additional lands owned by Quebec as are necessary to enable the head-water level of the Cave & Fournieux waterpowers to be raised to a level of 575 feet, and also to enable water to be diverted pursuant to clause 28; provided, however, that the Ontario Commission shall give Quebec not less than twelve months' written notice before flooding the said lands or any part thereof, and that during the first three months of the said period of notice Quebec shall have the privilege of licensing or authorizing any person to enter upon the said lands or any part thereof and carry on lumbering operations thereon until the expiration of the said period of notice. If during the said three months Quebec shall not have licensed or authorized any person to enter upon the said lands or any part thereof to carry on lumbering operations thereon, the Ontario Commission may enter upon the said lands or any part thereof and carry on lumbering operations thereon. The Ontario Commission shall within three months after the expiration of the said period of notice pay Quebec for all timber cut by it on the said lands, and also for all timber remaining uncut on the said lands at the expiration of the said period of notice all according to the rates shown in Schedule E hereto.

SAVING, EXCEPTING AND RESERVING nevertheless unto Quebec in respect of lands referred to in paragraph (a) of this clause (23) the right to raise the head water level of the waterpowers known as Les Chats to elevation 247 and in respect of all lands referred to in this clause (23), all the ores, mines and minerals (including sand and gravel) which are or shall hereafter be found on or under the said lands, and access thereto, provided that nothing done in respect of or under or pursuant to such reservation shall interfere with or restrict or imperil the full development and use of the said waterpowers to the extent contemplated by this agreement, and provided further that the Ontario Commission may utilize free of charge in the construction of the works referred to in clause 27 any and all sand and gravel on or under the said lands, not otherwise disposed of by Quebec, and also any and all rock which does not contain ore or minerals.

TO HAVE AND TO HOLD the same with the appurtenances thereto unto the Ontario Commission for the full end and term of nine hundred and ninety-nine (999) years to be computed from the date hereof, yielding and paying as rental therefor unto His Majesty and His Heirs and Successors in right of the Province of Quebec at the Department of Lands and Forests, Quebec, yearly and every year during the said term hereby created, after the commencement date for rental hereinafter specified in this Clause, in lawful money of Canada, at the rate of One Dollar for each and every average yearly horsepower of energy produced by the said Ontario Commission from Quebec's share of the water.

For the purpose of calculating the amount of such horsepower produced from Quebec's share of the water, under and by virtue of these presents, one-half of all the power produced in any lease year at each site shall be deemed to have been developed from Quebec's share of the water at each respective site.

In the event that Quebec's share of the water or any portion thereof is utilized to produce electrical power or energy, then the amount of such electrical power or energy so produced shall be determined by suitable measurements at the generator terminals at the site of the development.

In the event that Quebec's share of the water or any portion thereof is utilized to produce forms or types of power or energy other than electrical power or energy, then the amount thereof shall be determined by appropriate methods of measurement.

For the purpose of this lease, one horsepower shall be taken to be .746 kilowatts or 550 foot pounds of work per second.

Suitable measuring instruments shall be provided and records kept by the Ontario Commission which shall at all times allow access thereto and supply reports therefrom to Quebec.

Separate bills for rental shall be rendered for each and every site.

The said rental shall commence on the first day the development of the said waterpowers at Cave & Fourneaux, Des Joachims and Chenaux or any of them is in operation and produces power or energy. The first payment of such rental shall be for the period from the said first day of operation and production to the said 31st day of March next following, inclusive, and shall be paid on or before the 1st day of May immediately succeeding. Lease years after the said period for which the first payment is to be made shall terminate on the 31st day of March, in each and every year, and rental for each such lease year shall be paid on or before the 1st day of May next following.

The said rentals payable by the Ontario Commission hereunder shall be subject to review at the end of twenty-five (25) years from the date hereof, and thereafter at the end of each and every twenty-five (25) years until the expiry or earlier determination of this lease. If at the end of such twenty-five (25) year periods or any of them, it shall appear necessary or desirable that the amounts to be paid hereunder should be adjusted, then such adjustments may be made by agreement between the parties hereto, and failing such agreement shall be submitted to the arbitral tribunal as provided for in Clause 46.

24. Notwithstanding the provisions of Clause 23 hereinabove written, until such time as the Quebec Commission shall pay Ontario the said sum of \$2,462,933 specified in Clause 3, the Ontario Commission shall not be obliged to pay any rentals under and pursuant to the said provisions of Clause 23 in respect of the Des Joachims waterpower regardless of whether or not power or energy is developed therefrom; but in respect of the period after payment of the said sum of \$2,462,933 to Ontario by the Quebec Commission the Ontario Commission shall pay according to the said provisions of Clause 23.

25. Quebec further covenants and agrees that it will as and when requested by the Ontario Commission acquire all lands and rights in the Province of Quebec not owned by Quebec, and which are necessary to enable the head-water level of the Cave & Fourneaux waterpower to be raised to 575 feet, and to enable the head-water level of the Des Joachims waterpower to be raised to 500 feet, and the head-water level of the Chenaux waterpower to be raised to 285 feet, and to enable water to be diverted pursuant to Clause 28, and the upper half of the fall at the site known as Paquette to be utilized in conjunction with the waterpower development at Des Joachims and to provide the sites and access referred to in Clauses 23 (a), 23 (c) and 23 (f).

The Ontario Commission shall before or at the time of making such request furnish Quebec with a complete detailed description of all such lands and rights. Upon such acquisition the said lands and rights acquired pursuant to this Clause 25 shall by order of the Lieutenant-Governor of Quebec-in-Council be added to the properties leased to the Ontario Commission by Clause 23, and shall be subject to the provisions of the said Clause 23. If Quebec fails to acquire lands and rights in accordance with the said complete detailed description referred to hereinabove in this Clause when so requested by the Ontario Commission, and if the Ontario Commission has fully complied with the provisions of this Clause 25, Quebec shall pay for all damage resulting therefrom in the Province of Quebec, but if the Ontario Commission fails to furnish Quebec with the complete detailed description of lands and rights hereinbefore referred to in this Clause 25, or has otherwise failed to comply with such provisions, the Ontario Commission shall be liable for any additional expense resulting therefrom.

For all lands and rights acquired by Quebec for the Ontario Commission pursuant to the foregoing provisions of this Clause 25, and for the purposes of this agreement, the Ontario Commission shall pay to Quebec, or such person or corporation as Quebec may direct, the purchase price paid by or on behalf of Quebec to acquire such lands and rights together with the cost of acquiring them as and when the same are so acquired. For such lands acquired under the provisions of this Clause 25, Quebec shall not pay a higher purchase price than such price as shall be approved by the Ontario Commission, provided however that if the owner or owners of such lands or rights shall be unwilling to accept the purchase price which the Ontario Commission is willing to approve, the said lands or rights shall be expropriated by or on behalf of Quebec, and Quebec shall pay as the purchase price thereof the proper amount as determined in such expropriation proceedings. The Ontario Commission shall thereupon reimburse Quebec accordingly, and the cost of such expropriation shall be deemed to be included in the cost of acquiring the said lands or rights.

26. Whenever under the provisions of Clause 25 the Ontario Commission makes a proper request that Quebec acquire lands or rights, and complies fully with the provisions of Clause 25, Quebec shall do everything within the legislative authority of the Province of Quebec to put the

Ontario Commission in possession of such lands or rights for the purposes of this agreement within three months from receipt of such request.

27. Upon the said properties hereby leased to the Ontario Commission the said Ontario Commission may construct buildings, dams, weirs, tunnels, races, flumes, sluices, pits and such other structures and works as it may deem necessary or desirable to develop the said Cave & Fourneaux, Des Joachims and Chenaux waterpowers, and to utilize the upper half of the fall at the site known as Paquette, subject to the provisions of The Water-Course Act, R.S.Q. 1941, Chapter 98, provided, however, that should approval thereof, or of any part thereof, under the said Water-Course Act or similar legislation of the Province of Quebec be refused, the Ontario Commission may appeal therefrom to the arbitral tribunal provided for in Clause 46 hereof.

28. The Ontario Commission may divert water in the Ottawa River from its natural channel as part of or pertaining to the development of waterpowers at Cave & Fourneaux, Des Joachims and Chenaux authorized hereby at or above the sites of the said respective waterpowers subject to returning the said water to the natural channel of the Ottawa River below the said respective sites.

29. The Ontario Commission shall and will indemnify and save harmless Quebec and the Quebec Commission from any loss, costs, damage, damages or expenses Quebec or the Quebec Commission may sustain suffer or be put to by reason of or on account of the Ontario Commission exceeding the rights or powers hereby granted to it or exercising the same in a negligent manner.

30. Quebec and the Quebec Commission respectively release and discharge the Ontario Commission from all claims and demands for or in respect of damage or loss sustained by Quebec or the Quebec Commission in respect of any waterpower upon waters tributary to the Ottawa River, owned or operated by Quebec or the Quebec Commission, occasioned by or on account of the Ontario Commission exercising in a proper manner the rights, powers and privileges hereby granted to it in accordance with the terms hereof.

31. Subject to the provisions of Clause 30 the Ontario Commission assumes any and all liability in respect of damage to or encroachment upon any waterpower not within the limits of the lands described in Schedule D occasioned by anything done or purported to be done under or pursuant to these presents by the Ontario Commission or anyone on its behalf, and the Ontario Commission agrees to indemnify and save harmless Quebec therefrom.

32. The Ontario Commission shall whenever so required by or on behalf of Quebec erect and maintain durable and efficient fishways for the free passage of fish.

33. Upon the expiry of the term of the lease of the properties hereby leased to the Ontario Commission, or upon its earlier termination the said properties and all works constructed thereon shall revert to Quebec.

34. If and whenever the rentals hereby reserved or any part thereof shall be unpaid for ninety (90) days after any of the days on which same ought to be paid, the Lieutenant-Governor in Council of Quebec, may upon five years' notice to the Ontario Commission of its intention so to do and provided that default in payment continues, cancel the lease of that portion of the properties hereby demised to the Ontario Commission in respect of which default continues but such cancellation shall not affect the rights of any of the parties in respect of the remaining portion of any properties leased or licensed under these presents.

If at any time or times when any rentals hereby reserved or any part thereof payable by the Ontario Commission to Quebec shall remain unpaid after the same shall have become due and payable, there shall be any rentals due by the Quebec Commission to Ontario under foregoing provisions of this presents the Quebec Commission may pay the said rentals due as aforesaid to Quebec instead of to Ontario in the amount in which the Ontario Commission is in default or on account thereof, whereupon the Quebec Commission shall be credited accordingly.

35. No lands, rights or works erected thereon nor any essential part of the development of the said waterpowers shall be expropriated from the Ontario Commission by Quebec or under the authority of any present or future Act of the Legislature of the Province of Quebec. The Ontario Commission shall not be subject to the control contemplated by the Electricity Act, R.S.Q. 1941, Chapter 99 and amendments thereto, or by any similar Act, save as regards electric power distributed or sold in Quebec. The provisions of An Act respecting the Exportation of Hydro-Electric Power, R.S.Q. 1941, Chapter 100, shall not apply to this agreement. The Ontario Commission shall not be required to obtain a license or to file a prospectus or returns under The Extra Provincial Companies Act, R.S.Q. 1941, Chapter 279, or The Companies Information Act, R.S.Q. 1941, Chapter 281 or any similar legislation.

36. The Ontario Commission shall pay to Quebec or to the Quebec Commission at the same times as the rentals under Clause 23 are payable a fair annual charge to recompense Quebec or the Quebec Commission for expenses incurred for works heretofore or hereafter constructed or executed to increase or regulate the flow of the Ottawa River at the said Cave & Fourneaux, Des Joachims and Chenaux waterpower sites or any of them, the amount of such annual charge to be based upon the benefit derived by the Ontario Commission from such works as compared with the benefit derived therefrom by the waterpower developments in the Provinces of Ontario and

Quebec directly affected thereby. Provided, however, that nothing in these presents shall be deemed to authorize the construction of such works in the inter-provincial section of the Ottawa River.

No such works shall be constructed until the Ontario Commission shall have been given three months' notice thereof in writing and if the Ontario Commission objects thereto an issue in respect of the construction or non-construction of such works shall be submitted to the arbitral tribunal provided for in Clause 46. The amount of such annual charges from time to time if not agreed upon by the Ontario Commission with the party constructing the said works shall be submitted to the said arbitral tribunal.

37. The Ontario Commission shall establish and collect an adequate general tariff (subject to the approval of the Lieutenant-Governor in Council of the Province of Ontario) of fees or charges to be paid by all persons and corporations in the Province of Ontario other than the parties to these presents who use the waters of the Ottawa River to recompense Quebec or the Quebec Commission for expenses incurred for works constructed or executed to increase or regulate the flow of the Ottawa River, the said tariff to be based on a comparison between the benefit derived by each of the said persons or corporations and the benefit derived therefrom by the waterpower developments in the Provinces of Ontario and Quebec directly affected thereby, and subject to submission to the said arbitral tribunal in respect to the amount of such fees and charges. Water power developments of the Ontario Commission on the Ottawa River, other than at the said Cave & Fourneau, Des Joachims and Chenaux sites, shall for the purposes of this Clause 37 be deemed to be waterpower developments of a corporation using the waters of the Ottawa River other than the parties to these presents, and the Ontario Commission shall be bound by the said general tariff in respect thereof and pay thereunder. All sums so collected and all amounts otherwise payable under this Clause 37 by the Ontario Commission shall be paid by the Ontario Commission to Quebec or the Quebec Commission whichever has or shall have incurred the expense.

38. Quebec covenants and agrees that in so far as it may be within its legislative jurisdiction the legal remedies within the Province of Quebec of any person or corporation not a party to these presents, who shall claim that he has been or may be injured by reason of the development of the said Cave & Fourneau, Des Joachims or Chenaux waterpower sites or the utilization of the upper half of the fall at the said site known as Paquette shall be restricted to claims for damages only, and a claim for an injunction by the Courts of the Province of Quebec in respect of any such injury as may be alleged shall be prohibited.

39. Notwithstanding The Mortmain Act, R.S.Q. 1941, c. 283, or any amendment thereto or substitution therefor, the Ontario Commission shall have the right to hold in the Province of Quebec, the lands and rights hereby leased or licensed to it and all works and improvements required for their full utilization and the production of power. Notwithstanding any general law or special Act such leased or licensed lands and such rights, works and improvements shall be exempt from all provincial taxes and fees payable to the Province of Quebec, and from all municipal and school taxes and fees and the Ontario Commission shall be wholly exempt from all provincial, municipal and school taxes and fees which might be imposed or assessed against it by reason of anything done under this agreement or arising therefrom.

40. Quebec covenants and agrees with the Ontario Commission that if and so long as the Ontario Commission pays the rental to be paid by it, and performs its covenants, promises and agreements hereunder, the Ontario Commission shall and may peaceably possess and enjoy the lands leased and licensed to it hereby for the term hereby granted for the purposes of this agreement, without any interruption or disturbance from Quebec, or any other person or persons lawfully claiming by or under Quebec or its predecessors in right and title.

41. Any right, title or interest taken by the Ontario Commission hereunder shall be taken subject to the legislative authority or any prior right, title or interest of the Dominion of Canada thereover or therein to the extent, if any, of such legislative authority or prior right, title or interest.

42. Quebec covenants, promises and agrees to and with the Ontario Commission that it will from time to time and at all times hereafter upon every reasonable request execute or cause to be made, done or executed all such further and other lawful acts, deeds, things, devices and assurances in the law whatsoever, for the better, more perfectly and absolutely giving effect to the intention of these presents.

43. In so far as these presents relate to properties and rights in the Province of Quebec they shall be deemed to have been executed in the Province of Quebec and the law of Quebec shall apply.

44. The granting of these presents shall not take away the lawful rights of timber owners or others to drive their logs or timber down the Ottawa River, not only within but also beyond the limits of the lands comprised in these presents.

45. In ascertaining, for the purposes of Clauses 15, 16, 36 and 37 hereof, the amount of expenses incurred for works to increase or regulate the flow of the Ottawa River, adequate compensation shall be included for all lands flooded whether Crown property or private property.

46. Any and all disputes arising between the parties hereto, or any of them, relative to these presents, or the fulfilment of any of the terms, provisions or conditions hereof shall be decided by an arbitral tribunal composed of three members, one of whom shall be chosen by the Lieutenant-Governor in Council of the Province of Ontario, another by the Lieutenant-Governor in Council of the Province of Quebec, and the third by the other two. In the event that either Lieutenant-Governor in Council does not choose a member or that the two members chosen do not agree upon the choice of the third member, the choice shall be made by the Chief Justice of Canada.

The findings of any two members of the arbitral tribunal who are of the same opinion shall be the findings of the tribunal, and if more than one item be submitted to the tribunal at the same time, this rule shall apply to each item.

The findings of the arbitral tribunal shall be final and binding upon the parties hereto, subject to the right of appeal hereinafter contained. Upon an appeal to the arbitral tribunal under Clause 6 or Clause 27 the arbitral tribunal may give such approval as in its opinion should be given and such approval shall be sufficient under the Acts concerned.

The arbitral tribunal shall have power to adjudicate upon the costs of arbitration, but such costs shall not include the remuneration of the two members of the tribunal appointed by the Lieutenant-Governor in Council of the Province of Ontario, and the Lieutenant-Governor in Council of the Province of Quebec respectively, each of whom shall be paid by the party appointing him. The remuneration of a member chosen by the Chief Justice of Canada in lieu of the Lieutenant-Governor in Council of a Province shall be paid by the Government of such Province.

The provisions of The Arbitration Act of Ontario, which are not inconsistent with this agreement, shall apply to the determination of disputes arising from matters to which the law of Ontario is made applicable by Clause 22 hereof. From the award on such disputes an appeal shall lie to the Court of Appeal for Ontario as from a final judgment of the High Court of Justice for Ontario.

The provisions of the Code of Civil Procedure of the Province of Quebec relating to arbitrations shall apply to the determination of disputes arising from matters to which the law of Quebec is made applicable by Clause 43 hereof except insofar as inconsistent with the provisions of this agreement. From the award on such disputes an appeal shall lie to the Court of King's Bench of the Province of Quebec as from a final judgment of the Superior Court of the Province of Quebec.

In the case of death, refusal, withdrawal or inability to act of one or more of the arbitrators each such arbitrator shall be replaced by another appointed in the same manner as the arbitrator whom he replaces.

47. This agreement shall not become binding upon the parties unless and until the Legislature of the Province of Ontario at its next session shall have confirmed and validated it to the extent of its legislative authority.

IN WITNESS WHEREOF the parties hereto have executed these presents as of the day and year first above written.

SIGNED, SEALED AND DELIVERED

In the Presence of

As to signature of the Minister of Lands
and Forests of Ontario,
G. D. CONANT.
CECIL CARRICK.

As to signature of the Minister of Lands
and Forests for Quebec,
ADELARD GODBOUT.
R. LATREILLE.

As to signature of T. H. Hogg and
Osborne Mitchell,
G. D. CONANT.
CECIL CARRICK.

As to signature of O. Lefebvre,
ADELARD GODBOUT
R. LATREILLE.

N. O. HIPEL
Minister of Lands and Forests for Ontario.

W. HAMEL
Minister of Lands and Forests for Quebec.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
T. H. HOGG
Chairman.
OSBORNE MITCHELL
Secretary. [SEAL]

THE QUEBEC STREAMS COMMISSION [SEAL]
O. LEFEBVRE
Vice-President.

Schedule A

to an Agreement dated the 2nd day of January, 1943, between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario, and the Quebec Streams Commission.

Paragraph 1

All those certain parcels or tracts of land and land under the waters of the Ottawa River, situate in the Townships of Hawkesbury East and Hawkesbury West, in the County of Prescott, in the Province of Ontario, containing by admeasurement an area of 1900 acres, more or less, which certain parcels or tracts of land and land under the waters of the Ottawa River may be more particularly described as follows:

All those portions of land and land covered by the waters of the Ottawa River lying below the high water mark, more particularly described as follows:

FIRSTLY: Commencing at the intersection of the said high water mark with the boundary line between the Province of Ontario and the Province of Quebec, and between the Township of Hawkesbury East in the Province of Ontario and the Seigniori of Rigaud in the Province of Quebec; thence in and along the said boundary line between the Province of Quebec and the Province of Ontario to its intersection with the production northerly of the boundary line between the Townships of Hawkesbury West and Longueil, in the County of Prescott, Province of Ontario; thence southerly following the said production to the high water mark of the Ottawa River; thence easterly following the said high water mark to the point of commencement.

SECONDLY: All islands and lands within the boundaries above described, not already disposed of by the Province, together with the appurtenances thereto.

Paragraph 2

All those certain parcels or tracts of land and land under the waters of the Ottawa River, situate in the Townships of Ross, Westmeath and Pembroke, in the County of Renfrew, in the Province of Ontario, containing by admeasurement an area of 10,000 acres, more or less, which said certain parcels or tracts of land and land under the waters of the Ottawa River may be more particularly described as follows:

FIRSTLY: All those portions of the land and the lands covered by the waters of the Ottawa River lying below the high water mark, which may be more particularly described as follows:

COMMENCING at the intersection of the said high water mark with the boundary line between lots 8 and 9, concession 13, in the Township of Ross; thence following the production of the said boundary line north-easterly to the boundary between the Province of Ontario and the Province of Quebec; thence north-westerly, southerly and westerly along the said boundary to its intersection with the production north-easterly of a line midway between the boundary lines between lots 6 and 7 and lots 7 and 8, concession 2, Township of Pembroke; thence following the said production south-westerly to the high water mark of the Ottawa River; thence easterly, northerly and south-easterly following the said high water mark to the point of commencement.

SECONDLY: All islands and lands within the boundaries above described, not already disposed of by the Crown, together with the appurtenances thereto.

Schedule B

to an Agreement dated the 2nd day of January, 1943, between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario, and the Quebec Streams Commission.

CROWN DUES (SIMPLE DUES)

Black Walnut and Oak, per cubic foot.....	\$.06
Elm, Ash, Tamarac and Maple, per cubic foot.....	.06
Birch, Basswood, Cedar, Poplar, per cubic foot.....	.05
Red and White Pine, and Jackpine, per cubic foot.....	.07½
All other woods, per cubic foot.....	.03
Poplar sawlogs, per thousand feet, B.M.....	2.00
Red and White Pine sawlogs, per thousand feet, B.M.....	2.50

Basswood, Ash, Birch, Elm, Maple, Beech and Oak sawlogs, per thousand feet, B.M.....	2.50
Hemlock, Tamarac, Jackpine and Cedar, per thousand feet, B.M.....	1.50
Spruce and Balsam, per thousand feet, B.M.....	2.00
Cordwood (hard), per cord.....	.50
Cordwood (soft), per cord.....	.25
Tan Bark, per cord.....	.60
Spruce Pulpwood, per cord.....	1.40
Balsam, per cord.....	.70
Other Pulpwood, per cord.....	.40
Railway Ties, per tie.....	.10
Boom Timber (all kinds), per thousand feet, B.M.....	2.50
Cedar Poles, 30 feet and less, each.....	.25
Cedar Poles, 31 to 40 feet, each.....	.50
Cedar Poles, 41 to 50 feet, each.....	.75
Cedar Poles, 51 feet and over, each.....	1.00
Cedar Posts, each.....	.02
Jack Pine, per M. ft. B.M.....	1.50

Schedule C

to an Agreement dated the 2nd day of January, 1943, between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario, and the Quebec Streams Commission.

The lands shown coloured red on the plan entitled "Plan of Lands at the Carillon Water-power, in respect of which the Quebec Streams Commission is to pay Ontario the sum of \$2,462,933 pursuant to clause 3 of the agreement dated the 2nd day of January, 1943, between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario and The Quebec Streams Commission" which said plan is identified by the signatures of the Minister of Lands and Forests for the Province of Ontario, the Minister of Lands and Forests of the Province of Quebec and by the corporate seals of the Ontario Commission and the Quebec Commission, and is to be deposited in the Registry Office for the Registry Division of the County of Prescott pursuant to legislation in that behalf.

(2) Subject to easements, reservations, right of access or of enjoyment not inconsistent with the use thereof for flooding purposes by the Quebec Commission, the lands shown coloured green on the said plan.

(3) The highways shown coloured purple on the said plan.

(4) The right to affect, by raising the head water level of the Carillon water power to a level of 135 feet, the waterworks and sewage systems for the Town of Hawkesbury subject to the obligation of permitting the said town to enter upon any of the lands described in paragraphs 1 and 2 of this schedule, and situated in the said town, for the purpose of laying, repairing and replacing all necessary pipes, and for the maintenance and improvement, if necessary, of the water intake, pumping station, sewage discharge outlet and pumping station and to do any of the said things.

Schedule D

to an Agreement dated the 2nd day of January, 1943, between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario, and the Quebec Streams Commission.

Paragraph 1

All those certain parcels or tracts of land and land under the waters of the Ottawa River situate in the Townships of Grand Calumet, and Litchfield, in the County of Pontiac, in the Province of Quebec, containing by admeasurement an area of 1,775 acres, more or less, which parcels or tracts of land and land under the waters of the Ottawa River may be more particularly described as follows:

All those portions of land and land covered by the waters of the Ottawa River lying below the ordinary high water mark, more particularly described as follows:

FIRSTLY: Commencing at the intersection of the said ordinary high water mark with the dividing line between the Townships of Litchfield and Clarendon, in the County of Pontiac, in the Province of Quebec; thence following in an upstream direction the said ordinary high water mark of the Ottawa River to the lower confluence of the two channels of the said river, namely:— the Grand Calumet Channel and the Rocher Fendu Channel; thence following the said ordinary high water mark on the left bank of the said Grand Calumet Channel to the intersection of the said ordinary high water mark with the division line between lots numbers 18 and 19, Range 1, Township of Litchfield, County of Pontiac, in the Province of Quebec; thence westerly following the production of the dividing line between lots numbers 18 and 19, Range 1, Township of Litchfield, to its intersection with the ordinary high water mark on the right bank of the said Grand Calumet Channel; thence in a downstream direction following the said ordinary high water mark on the right bank of Grand Calumet Channel to the above mentioned confluence of the said two Channels; thence following in an upstream direction the ordinary high water mark on the left bank of the Rocher Fendu Channel to its intersection with the dividing line between lots numbers 5 and 6, Range IX, Township of Grand Calumet, County of Pontiac, in the Province of Quebec thence following the production of said dividing line into the Rocher Fendu Channel to the boundary between the Province of Ontario and the Province of Quebec; thence following in a downstream direction the said interprovincial boundary to its intersection with the production into the Ottawa River of the dividing line between the Township of Litchfield and the Township of Clarendon, in the County of Pontiac, in the Province of Quebec; thence following north-easterly the said production to its intersection with the ordinary high water mark of the Ottawa River, this intersection being the point of commencement.

SECONDLY: All islands and lands within the boundaries above described, not already disposed of by the Province, together with the appurtenances thereto.

Paragraph 2

All those certain parcels or tracts of land and land under the waters of the Ottawa River, situate in the Townships of Aberdeen, in the County of Pontiac, Aberford, Eddy, Edwards, Boisclerc in the County of Temiscamingue, in the Province of Quebec, containing by admeasurement an area of 4,800 acres, more or less, which parcels or tracts of land and land under the waters of the Ottawa River may be more particularly described as follows:

All those portions of land and land covered by the waters of the Ottawa River lying below ordinary high water mark, more particularly described as follows:

FIRSTLY: Commencing at the intersection of the said ordinary high water mark with the dividing line of lots numbers 45 and 46, Range IV, Township of Aberdeen, in the County of Pontiac, in the Province of Quebec; thence following the production of said dividing line into the Ottawa River to the boundary between the Province of Ontario and the Province of Quebec; thence in a general direction west, then north-west along the said interprovincial boundary to its intersection with the production southerly of the line of division between lots 31 and 32, Range V, Township of Boisclerc, County of Temiscamingue; thence following northerly the said production to its intersection with the ordinary high water mark of the Ottawa River; thence in a general direction south-east, then east following the said ordinary high water mark to the point of commencement.

SECONDLY: All islands and lands within the boundaries above described, not already disposed of by the Province, together with the appurtenances thereto.

Paragraph 3

All those certain parcels or tracts of land and land under the waters of the Ottawa River, situate in the Townships of Boisclerc, Campeau and Gendreau, in the County of Temiscamingue, in the Province of Quebec, containing by admeasurement an area of 2,700 acres, more or less, which parcels or tracts of land and land under the waters of the Ottawa River may be more particularly described as follows:

All those portions of land and land covered by the waters of the Ottawa River lying below the ordinary high water mark, more particularly described as follows:

FIRSTLY: Commencing at the intersection of the said ordinary high water mark with the division line of lots numbers 31 and 32, Range V, Township of Boisclerc, County of Temiscamingue, in the Province of Quebec; thence following the production of said dividing line into the Ottawa River to the boundary between the Province of Ontario and the Province of Quebec; thence in a general direction northwest along the said interprovincial boundary to its intersection with the production southwesterly of the line of division between lots 1 and 2, Range 1, Township of Gendreau, County of Temiscamingue; thence following said production in a northeast direction to its intersection with the ordinary high water mark of the Ottawa River; thence along this ordinary high water mark, in a general direction southeast, to the point of commencement.

SECONDLY: All islands and lands within the boundaries above described, not already disposed of by the Province, together with the appurtenances thereto.

Schedule E

to an Agreement dated the 2nd day of January, 1943, between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario, and the Quebec Streams Commission.

CROWN DUES (SIMPLE DUES)

Black Walnut and Oak, per cubic foot.....	\$.06
Elm, Ash, Tamarac and Maple, per cubic foot.....	.06
Birch, Basswood, Cedar, Poplar, per cubic foot.....	.05
Red and White Pine, and Jackpine, per cubic foot.....	.07½
All other woods, per cubic foot.....	.03
Poplar sawlogs, per thousand feet, B.M.....	2.00
Red and White Pine sawlogs, per thousand feet, B.M.....	2.50
Basswood, Ash, Birch, Elm, Maple, Beech and Oak sawlogs, per thousand feet, B.M.....	2.50
Hemlock, Tamarac, Jackpine and Cedar, per thousand feet B.M.....	1.50
Spruce and Balsam, per thousand feet, B.M.....	2.00
Cordwood (hard), per cord.....	.50
Cordwood (soft), per cord.....	.25
Tan Bark, per cord.....	.60
Spruce Pulpwood, per cord.....	1.40
Balsam, per cord.....	.70
Other Pulpwood, per cord.....	.40
Railway Ties, per tie.....	.10
Boom Timber (all kinds), per thousand feet, B.M.....	2.50
Cedar Poles, 30 feet and less, each.....	.25
Cedar Poles, 31 to 40 feet, each.....	.50
Cedar Poles, 41 to 50 feet, each.....	.75
Cedar Poles, 51 feet and over, each.....	1.00
Cedar Posts, each.....	.02
Jack Pine, per M. ft. B.M.....	1.50

CANADA

PROVINCE OF ONTARIO

COUNTY OF YORK

TO WIT

I, Cecil Carrick, of the City of Toronto, in the County of York,

MAKE OATH AND SAY:

1. That I was personally present and did see the within instrument in quadruplicate duly signed, sealed and executed by Norman O. Hipel, Minister of Lands and Forests on behalf of His Majesty the King in right of the Province of Ontario, one of the parties thereto.

2. That the said instrument in quadruplicate was executed by the said Norman O. Hipel at the City of Toronto in the County of York.

3. That I know the said Norman O. Hipel.

4. That I am a subscribing witness to the said Instrument in quadruplicate.

SWORN before me at the City of

Toronto in the County of York

this 13th day of January, A.D.

1943.

CECIL CARRICK.

CLIFFORD R. MAGONE,

A Commissioner for taking Affidavits, etc.

CANADA
 PROVINCE OF QUEBEC
 DISTRICT OF QUEBEC
 TO WIT

I, Raymond Latreille, of the parish of Sillery, in the County of Quebec, Civil Engineer,
 MAKE OATH AND SAY:

1. That I was personally present and did see the within instrument in quadruplicate duly signed, sealed and executed by Wilfrid Hamel, Minister of Lands and Forests on behalf of His Majesty the King in right of the Province of Quebec, one of the parties thereto.
2. That the said instrument in quadruplicate was executed by the said Wilfrid Hamel at the City of Quebec in the Province of Quebec.
3. That I know the said Wilfrid Hamel.
4. That I am a subscribing witness to the said Instrument in quadruplicate.

SWORN before me at the City of
 Quebec in the Province of Quebec
 this 22nd day of January, A.D.
 1943.

R. LATREILLE.

J. H. BOISVERT, N.P.

A Notary Public in and for the Province of Quebec.

[SEAL]

CANADA
 PROVINCE OF QUEBEC
 DISTRICT OF QUEBEC

I, Cecil Carrick, domiciled in the Province of Ontario and there residing at the City of Toronto, 415 Willard Ave., Solicitor, being duly sworn depose and say:

1. That I was personally present and did see the annexed Agreement between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario and the Quebec Streams Commission duly signed by Norman O. Hipel, Minister of Lands and Forests on behalf of His Majesty the King in right of the Province of Ontario.

2. That the said Agreement was so signed in my presence and in the presence of Gordon Daniel Conant, the other subscribing witness.

3. That I personally know the said Norman O. Hipel and Gordon Daniel Conant.

4. That the signatures N. O. Hipel and G. D. Conant and Cecil Carrick subscribed to the said Agreement are in the true and proper handwriting of the said Norman O. Hipel, Gordon Daniel Conant and the deponent respectively.

AND I HAVE SIGNED.

SWORN to before me at the City
 of Quebec in the Province of
 Quebec this 16th day of January,
 1943.

CECIL CARRICK.

LOUIS PHILIPPE PIGEON,

A Commissioner of the Superior Court for the District of Quebec.

CANADA

PROVINCE OF QUEBEC

DISTRICT OF QUEBEC

I, Raymond Latreille, Civil Engineer, domiciled in the Province of Quebec and there residing in the parish of Sillery, County of Quebec, being duly sworn depose and say:

1. That I was personally present and did see the annexed Agreement between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario and the Quebec Streams Commission duly signed by Wilfrid Hamel, Minister of Lands and Forests on behalf of His Majesty the King in right of the Province of Quebec.

2. That the said Agreement was so signed in my presence and in the presence of Adilard Godbout, the other subscribing witness.

3. That I personally know the said Wilfrid Hamel and Adelard Godbout.

4. That the signatures W. Hamel and Adelard Godbout and R. Latreille subscribed to the said Agreement are in the true and proper handwriting of the said Wilfrid Hamel, Adelard Godbout and the deponent respectively.

AND I HAVE SIGNED.

SWORN to before me at the City

of Quebec in the Province of

Quebec this 22nd day of January,

1943.

R. LATREILLE.

LOUIS PHILIPPE PIGEON,

A Commissioner of the Superior Court for the District of Quebec.

CANADA

PROVINCE OF QUEBEC

DISTRICT OF QUEBEC

I, Cecil Carrick, domiciled in the Province of Ontario, and there residing at the City of Toronto, 415 Willard Ave., Toronto, Solicitor, being duly sworn depose and say:

1. That I was personally present and did see the annexed Agreement between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario and the Quebec Streams Commission duly signed by Thomas H. Hogg, Chairman, and Osborne Mitchell, Secretary of The Hydro-Electric Power Commission of Ontario.

2. That the said Agreement was so signed in my presence and in the presence of Gordon Daniel Conant the other subscribing witness to the signatures of the said Thomas H. Hogg and Osborne Mitchell.

3. That I personally know the said Thomas H. Hogg, Osborne Mitchell and Gordon Daniel Conant and know that the said Thomas H. Hogg and Osborne Mitchell are respectively the Chairman and the Secretary of the said The Hydro-Electric Power Commission of Ontario and that they had authority to sign the annexed Agreement on behalf of the said The Hydro-Electric Power Commission of Ontario.

4. That the signatures of T. H. Hogg, Osborne Mitchell, G. D. Conant and Cecil Carrick subscribed to the said Agreement are in the true and proper handwriting of the said Thomas H. Hogg, Osborne Mitchell, Gordon Daniel Conant and the deponent respectively.

AND I HAVE SIGNED.

SWORN to before me at the City

of Quebec in the Province of

Quebec this 16th day of January,

1943.

CECIL CARRICK.

LOUIS PHILIPPE PIGEON,

A Commissioner of the Superior Court for the District of Quebec.

CANADA

PROVINCE OF QUEBEC

DISTRICT OF QUEBEC

I, Raymond Latreille, Civil Engineer, domiciled in the Province of Quebec, and there residing in the parish of Sillery, County of Quebec, being duly sworn depose and say:

1. That I was personally present and did see the annexed Agreement between His Majesty the King in right of the Province of Ontario, His Majesty the King in right of the Province of Quebec, The Hydro-Electric Power Commission of Ontario and the Quebec Streams Commission duly signed by Olivier Lefebvre, the Vice-President of the Quebec Streams Commission.

2. That the said Agreement was so signed in my presence and in the presence of Adelard Godbout the other subscribing witness to the signature of the said Olivier Lefebvre.

3. That I personally know the said Olivier Lefebvre and Adelard Godbout and know that the said Olivier Lefebvre is the Vice-President of the Quebec Streams Commission and that he had authority to sign the annexed Agreement on behalf of said Quebec Streams Commission.

4. That the signatures O. Lefebvre, Adelard Godbout and R. Latreille subscribed to the said Agreement are in the true and proper handwriting of the said Olivier Lefebvre and the deponent respectively.

AND I HAVE SIGNED.

SWORN to before me at the City

of Quebec in the Province of

Quebec this 22nd day of January,

1943.

R. LATREILLE.

LOUIS PHILIPPE PIGEON,

A Commissioner of the Superior Court for the District of Quebec.

APPENDIX B

to An Act respecting the Water Powers of the River Ottawa.

P. C. 651

AT THE GOVERNMENT HOUSE AT OTTAWA

Tuesday, the 26th day of January, 1943.

PRESENT:

HIS EXCELLENCY

THE GOVERNOR GENERAL IN COUNCIL:

WHEREAS the governments of the provinces of Ontario and Quebec and the Hydro-Electric Power Commission of Ontario and the Quebec Streams Commission have negotiated an agreement for the purpose of developing water power at sites on the Ottawa River known as Cave & Fourn-eaux, Des Joachims, Chenaux, Rocher Fendu and Carillon, copy of which agreement is annexed hereto;

AND WHEREAS the Minister of Munitions and Supply reports that the respective parties to the agreement aforesaid have made application to him for co-operation by the Government of Canada to facilitate the development of the water powers aforesaid.

AND WHEREAS the Minister is of opinion that the development of additional power on the Ottawa River with the least possible delay is necessary for the operation of war industries;

THEREFORE, His Excellency the Governor General in Council, on the recommendation of the Minister of Munitions and Supply, concurred in by the Minister of Public Works, the Minister of Transport and the Minister of Mines and Resources, and pursuant to the powers vested in the Governor in Council by the War Measures Act, Chapter 206, R.S.C. 1927, is pleased thereby, to order that, notwithstanding anything contained in any other statute or law, and subject to the reservations hereinafter stated, lands belonging to His Majesty in right of Canada adjacent, contiguous or comprising any part of the bed of the Ottawa River required for the purposes of the

agreement aforesaid, to the extent necessary to carry out the said agreement, be and they are hereby transferred as follows, namely:

Lands aforesaid in the Province of Ontario to His Majesty in right of the Province of Ontario, and lands aforesaid in the Province of Quebec to His Majesty in right of the Province of Quebec; the transfer aforesaid to have effect in the case of lands required for the purposes of each of the developments contemplated in the said agreement at the date of the approval of the site and plans of the works for such development pursuant to the Navigable Waters Protection Act, R.S.C. 1927, Chapter 140.

His Excellency in Council, on the same recommendation, with the concurrence aforesaid, and under the above cited authority is further pleased to order and doth hereby order,—

That there shall be excepted from the operation of the transfers effected hereby all lands required for navigation purposes, which said lands shall be described in the Order-in-Council granting approval aforesaid under the Navigable Waters Protection Act; Provided, nevertheless, that with respect to the lands so excepted the transferee shall enjoy such rights as are not inconsistent with the requirements of navigation as determined in the said Order and are required for the purposes of the said agreement;

That from time to time hereafter there shall, upon every reasonable request made on behalf of His Majesty in right of the Province of Ontario or His Majesty in right of the Province of Quebec, be executed or done all such further lawful acts or things as may be necessary to give effect to the foregoing;

The Minister of Public Works or the Minister of Transport or the Minister of Mines and Resources, each in respect of matters under his departmental authority, be and he is hereby authorized and directed, on request of any party to the aforesaid agreement, to cancel and terminate, and if in his opinion it is necessary, expropriate any lease or privilege granted by His Majesty in right of Canada in respect of the Ottawa River and its tributaries or the use of the water thereof, save in respect of Chaudiere Falls, if the Minister concerned is satisfied that the continuation of the enjoyment of such lease or privilege would in any way interfere with the development of a water power as provided for in the said agreement: Provided that payment of any compensation required by law to be paid upon the cancellation, termination or expropriation of any such lease or privilege heretofore granted shall be assumed by the party making the request to such extent and upon such terms as may be arranged between the party aforesaid and the Minister concerned;

And further that nothing herein contained shall be deemed to authorize the construction of any work in, upon, over, under, through or across the Ottawa River otherwise than in accordance with the provisions of the Navigable Waters Protection Act aforesaid.

Certified to be a true copy.

(Seal)

A. D. P. HEENEY,
Clerk of the Privy Council.

CHAPTER 22

An Act to amend The Power Commission Act.

Assented to April 14th, 1943.

Session Prorogued April 14th, 1943.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Subsection 1 of section 13 of *The Power Commission Act*, as amended by section 27 of *The Statute Law Amendment Act, 1942*, is further amended by inserting after the word "securities" in the third line the words "of the Dominion of Canada or", so that the said subsection shall now read as follows:

- (1) The Commission may, in its discretion, invest any funds, not required in carrying out the objects of the Commission, in the debentures or other securities of the Dominion of Canada or of the Province of Ontario, or in securities guaranteed by the Province of Ontario.

Rev. Stat.,
c. 62, s. 13,
subs. 1,
amended.

Investment
of funds.

2.—(1) Clause *f* of subsection 2 of section 21 of *The Power Commission Act* is repealed and the following substituted therefor: Rev. Stat., c. 62, s. 21, subs. 2, cl. *f*, re-enacted.

- (*f*) construct, maintain and operate, and acquire by purchase, lease or otherwise, or without the consent of the owner thereof or of any person interested therein, enter upon, take possession of, expropriate and use all erections, machinery, plant and other works and appliances for the transmission, transformation, supply and distribution of electrical power or energy; and conduct, store, transmit, transform and supply electrical power or energy and steam for the purposes of this Act, and with lines of wires, poles, conduits, pipes, motors, transformers or other conductors, equipment or devices, receive, conduct, convey, transmit, transform, distribute, supply or furnish such electrical power or energy and steam to or from or for any person at any place, through, over, under, along, upon or across any land, public highway or public place, stream, water, watercourse, bridge, viaduct or railway, and through, over, upon or under the land of any person. Acquisition of plant for transmitting and transforming power.

(2) Clause *n* of subsection 2 of the said section 21 is repealed. Rev. Stat., c. 62, s. 21, subs. 2, cl. *n*, repealed.

3. Section 26 of *The Power Commission Act* is repealed and the following substituted therefor: Rev. Stat., c. 62, s. 26, re-enacted.

26. In the exercise of the powers conferred and in carrying out any work authorized by this Act or any other general or special Act, the Commission has and always has had authority to put down, carry, construct, erect and maintain such conduits, wires, poles, towers and other equipment and works used in the transmission and distribution of electrical power and energy as it deems necessary or desirable, under, along, across or upon any public street or highway and to remove or replace them without taking any of the proceedings prescribed by this Act for the taking of land without the consent of the owner thereof, and the provisions of this Act with regard to compensation for lands so taken shall not apply, but the location of any such conduits, wires, poles, towers, equipment or works to be hereafter put down, carried, constructed or erected under, along, across or upon a public street or highway shall be agreed upon by the Commission and the municipal corporation or other authority having control of the public street or highway, and in case of disagreement shall be determined by the Ontario Municipal Board. Powers of Commission as to lines on highways.

4. Subsection 1 of section 39 of *The Power Commission Act* is amended by adding at the end thereof the words "and the Commission shall have power and shall be deemed always to have had power to make such securities bear such rate or rates of interest and make such securities payable as to principal and interest at such time or times and in such manner and at such place Rev. Stat., c. 62, s. 39, subs. 1, amended.

or places in Canada or elsewhere and in the currency or currencies of such country or countries as the Commission with the approval of the Lieutenant-Governor in Council may determine", so that the said subsection shall now read as follows:

General
borrowing
powers.

- (1) Subject to the approval of the Lieutenant-Governor in Council, the Commission may borrow money and issue notes, bonds, debentures and other securities or do any of these things for any of the purposes of the Commission, and the Commission shall have power and shall be deemed always to have had power to make such securities bear such rate or rates of interest and make such securities payable as to principal and interest at such time or times and in such manner and at such place or places in Canada or elsewhere and in the currency or currencies of such country or countries as the Commission with the approval of the Lieutenant-Governor in Council may determine.

Rev. Stat.,
c. 62, s. 47,
subs. 5,
amended.

5.—(1) Subsection 5 of section 47 of *The Power Commission Act* is amended by inserting after the word "works" in the third line the words "or procured pursuant to subsection 8 or 9", so that the said subsection shall now read as follows:

Municipal
Contracts.

- (5) The Commission may contract with any municipal corporation or person for the supply of electrical power or energy from such works or procured pursuant to subsection 8 or 9 at such rates and upon such terms and conditions as the Commission may deem proper.

Rev. Stat.,
c. 62, s. 47,
subs. 7,
amended.

(2) Subsection 7 of the said section 47 is amended by inserting after the figure "2" in the third line the words "or procured pursuant to subsection 8 or 9", so that the said subsection shall now read as follows:

Subs. 6
retroactive.

- (7) Subsection 6 shall apply to municipal corporations supplied with power from works covered by an agreement authorized under subsection 2 or procured pursuant to subsection 8 or 9, and shall be deemed so to have applied since the 18th day of April, 1933.

Rev. Stat.,
c. 62, s. 47,
amended.

(3) The said section 47 is further amended by adding thereto the following subsections:

Diversion
of power.

- (8) The Commission may divert electrical power or energy from any system as defined in section 65 for use in any of the territorial districts of the Province paying to the system supplying such power such price as shall be determined by the Commission and including such price in the annual costs and charges referred to in subsection 2 in such manner as the Commission may determine.

Purchase
of power.

- (9) The Commission may purchase electrical power or energy for use in any of the territorial districts of the Province at

such price and upon such terms as it may see fit including such price in the annual costs and charges referred to in subsection 2 in such manner as the Commission may determine.

(4) This section shall be deemed to have effect from the 18th day of April, 1933, and every diversion or purchase of power by the Commission in the manner provided by subsections 8 and 9 of section 47 of *The Power Commission Act* as enacted by this section is confirmed and any agreement between His Majesty and the Commission made pursuant to subsection 2 of section 47 of *The Power Commission Act* since the 18th day of April, 1933, shall be deemed to have contained a provision permitting and authorizing the Commission at such time or times as it may see fit, during the term of the agreement to procure power from any of the said systems or purchase it elsewhere for distribution in any of the said territorial districts, and to charge therefore as authorized by subsection 8. Effect of section.

6. Subsection 3 of section 53 of *The Power Commission Act* is amended by inserting after the word "interest" in the fifth line the words "and principal", so that the said subsection shall now read as follows: Rev. Stat., c. 62, s. 53, subs. 3, amended.

(3) The secretary-treasurer shall give security for the due accounting of all sums of money coming to his hands and for the payment over to the township treasurer of the sums required from time to time to meet payments coming due for interest and principal and to provide a sinking fund for the payment of any debentures issued for the works undertaken by the trustees under any contract with the Commission. Security.

7. Section 58 of *The Power Commission Act* is amended by inserting after the word "energy" in the third line the words "by or to the Commission", so that the said section shall now read as follows: Rev. Stat., c. 62, s. 58 amended.

58. Where the Commission has heretofore entered or shall hereafter enter into an agreement for the supplying of electrical power or energy by or to the Commission or for any other work or service to be done or supplied by or to the Commission, and such agreement has been or shall hereafter be submitted to and approved by the Lieutenant-Governor in Council, such agreement shall thereupon be valid and binding upon the parties thereto and shall not be open to question upon any grounds whatsoever, anything in this Act or in any other Act to the contrary notwithstanding. Effect of approval of agreements by Lieutenant-Governor in Council.

8. Subsection 4 of section 71 of *The Power Commission Act*, as enacted by section 3 of *The Power Commission Amendment Act, 1939*, is amended by adding thereto the words "and may thereupon utilize for the supply and distribution of electrical power or energy in any rural power district so formed or reconstituted or altered or Rev. Stat., c. 62, s. 71, subs. 4, (1939, c. 35, s. 3), amended.

which may have been so formed, or reconstituted or altered all or any portion of the revenue which may be derived or may have been derived from any contract for the distribution of electrical power or energy made between the Commission and the corporation of any township forming such rural power district or any part thereof", so that the said subsection shall now read as follows:

Alterations of boundaries.

- (4) The Commission may unite any two or more rural power districts in one rural power district and may join into a rural power district or may include in a rural power district one or more townships or any part or parts thereof whether already part of any rural power district or not and may alter the boundaries of any rural power district, and may thereupon utilize for the supply and distribution of electrical power or energy in any rural power district so formed or reconstituted or altered or which may have been so formed, or reconstituted or altered all or any portion of the revenue which may be derived or may have been derived from any contract for the distribution of electrical power or energy made between the Commission and the corporation of any township forming such rural power district or any part thereof.

Rev. Stat., c. 62, s. 78, amended.

9. Section 78 of *The Power Commission Act* as amended by section 6 of *The Power Commission Amendment Act, 1939* is, further amended by inserting after the word "district" in the third line the words "or any section thereof", so that the said section shall now read as follows:

Rates to be fixed by Commission.

78. The rates to be charged to customers receiving electrical power or energy from the Commission in a rural power district or any section thereof shall be fixed by the Commission under this Act.

Short title.

10. This Act may be cited as *The Power Commission Amendment Act, 1943*.

CHAPTER 23

An Act to amend The Power Commission Insurance Act.

Assented to April 14th, 1943.

Session Prorogued April 14th, 1943.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Rev. Stat., c. 67, s. 2, subs. 1, amended.

1.—(1) Subsection 1 of section 2 of *The Power Commission Insurance Act* is amended by inserting after the word "corporation" in the fourth line the words "or with His Majesty pursuant to the

Government Annuities Act (Canada)", so that the said subsection shall now read as follows:

- (1) The Commission may enter into an agreement with any municipal authority or group of municipal authorities authorizing the Commission to contract with an insurance corporation or with His Majesty pursuant to the *Government Annuities Act (Canada)* for insurance for the employees of such municipal authority or municipal authorities by way of service annuities, income annuities or death or disability benefits or such other benefits as may by the Commission be deemed expedient and for payment by the municipal authority or authorities of the cost of such insurance and the cost of or incidental to the administration and operation of the contract, and any other expenses incurred or for which the Commission may be liable in connection therewith. Agreement between Commission and municipal authority.

- (2) Subsection 2 of the said section 2 is amended by inserting after the word "corporation" in the fourth line the words "or with His Majesty pursuant to the *Government Annuities Act (Canada)*", so that the said subsection shall now read as follows: Rev. Stat., c. 67, s. 2, subs. 2, amended.

- (2) The Commission on behalf of any such municipal authority or group may, with the approval of the Lieutenant-Governor in Council, enter into an agreement with an insurance corporation or with His Majesty pursuant to the *Government Annuities Act (Canada)* for providing insurance for the employees of such municipal authority or group by way of service annuities, income annuities or death or disability benefits, or such other benefits as may by the Commission be deemed expedient, and for the enforcement of any such contract and for the administration of its operation by the Commission or by any other person or corporation on behalf of such municipal authority or group. Agreement with insurance corporation or His Majesty.

- (3) Subsection 3 of the said section 2, as enacted by section 1 of *The Power Commission Insurance Amendment Act, 1941*, is amended by inserting after the word "corporation" in the fifth line the words "or with His Majesty pursuant to the *Government Annuities Act (Canada)*", so that the said subsection shall now read as follows: Rev. Stat., c. 67, s. 2, subs. 3, (1941, c. 43, s. 1) amended.

- (3) Notwithstanding anything contained in subsection 1 or in any agreement made thereunder, the Commission, with the approval of the Lieutenant-Governor in Council, may enter into further agreements with any such insurance corporation or with His Majesty pursuant to the *Government Annuities Act (Canada)*, varying, adding to or modifying as the Commission may deem necessary or advisable any agreement entered into under subsection 2 or Power to amend.

this subsection and each such further agreement shall be legal, valid and binding upon each municipal authority on behalf of which it is entered into and upon the successors assigns of such municipal authority.

Rev. Stat.,
c. 67,
amended.

2. *The Power Commission Insurance Act* is amended by adding thereto the following section:

Agreement
between
municipal
authority
and His
Majesty.

4. Upon the recommendation of the Commission and with the approval of the Lieutenant-Governor in Council, a municipal authority may enter into an agreement with His Majesty pursuant to the *Government Annuities Act* (Canada) for providing insurance for the employees of such municipal authority by way of service annuities, income annuities or death or disability benefits, or such other benefits as may by the Commission be deemed expedient.

Commence-
ment of Act.

3. This Act shall come into force on the day upon which it receives the Royal Assent.

Short title.

4. This Act may be cited as *The Power Commission Insurance Amendment Act, 1943*.

CHAPTER 29

An Act respecting The Hydro-Electric Power Commission of Ontario, Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited.

Assented to February 19th, 1943.

Session Prorogued April 14th, 1943.

HIS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Certain
contracts
declared
legal and
valid.

1.—(1) Notwithstanding anything contained in *The Power Commission Act*, *The Steep Rock Iron Ore Development Act, 1942*, or any other Act of this Legislature, the contract between Steep

Rock Iron Mines Limited and The Hydro-Electric Power Commission of Ontario dated the 8th day of February, 1943, set out in Schedule A hereto, is hereby ratified and confirmed and declared to be legal, valid and binding upon the parties thereto, their successors and assigns, and

Rev. Stat.,
c. 62
1942, c. 35.

- (a) the contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines Limited, dated the 10th day of April, 1942, set out in Schedule B to *The Steep Rock Iron Ore Development Act, 1942*, relating to the supply of power to Steep Rock Iron Mines Limited and other matters as therein provided; and
- (b) the contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines Limited, dated the 10th day of April, 1942, set out in Schedule C to *The Steep Rock Iron Ore Development Act, 1942*, relating to the construction of a power transmission line, the furnishing of security by Steep Rock Irons Mines Limited to The Hydro-Electric Power Commission of Ontario and other matters as therein provided,

as amended, shall continue in full force and effect.

Idem.

(2) Notwithstanding the provisions of subsection 1,

- (a) the contract between The Hydro-Electric Power Commission of Ontario and The Ontario-Minnesota Pulp and Paper Company Limited and The Seine River Improvement Company Limited, dated the 10th day of April, 1942, set out in Schedule A to *The Steep Rock Iron Ore Development Act, 1942*, relating to the supply of power to The Ontario-Minnesota Pulp and Paper Company Limited and other matters as therein provided; and
- (b) the contract between The Ontario-Minnesota Pulp and Paper Company Limited, Steep Rock Iron Mines Limited and The Seine River Improvement Company Limited, dated the 10th day of April, 1942, set out in Schedule D to *The Steep Rock Iron Ore Development Act, 1942*, relating to certain obligations undertaken by Steep Rock Iron Mines Limited and to certain other matters as therein provided,

shall continue in full force and effect.

2. This Act shall come into force on the day upon which it receives the Royal Assent.

Commence-
ment of Act.

3. This Act may be cited as *The Steep Rock Iron Ore Development Act, 1943*.

Short title.

SCHEDULE A

to An Act respecting The Hydro-Electric Power Commission of Ontario, Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited.

THIS AGREEMENT made in duplicate the 8th day of February, A.D. 1943;

BETWEEN:

STEEP ROCK IRON MINES, LIMITED, hereinafter called the "Company"

OF THE FIRST PART,

—and—

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO, hereinafter called the "Commission"

OF THE SECOND PART.

WHEREAS by an Indenture dated the 10th day of April, 1942, the parties hereto agreed for a supply of electrical power and energy by the Commission to the Company at the Company's plant at its mining properties in the vicinity of Steep Rock Lake in the District of Rainy River, which said agreement is designated "the Steep Rock Power Agreement";

AND WHEREAS the said Steep Rock Power Agreement provides that the point of delivery for power supplied thereunder shall be the one hundred and ten thousand (110,000) volt bus in the Commission's Port Arthur Transformer Station at or near the City of Port Arthur in the Province of Ontario;

AND WHEREAS the said Steep Rock Power Agreement provides that the point of measurement for power supplied thereunder shall be at the terminus of the Company's one hundred and ten thousand (110,000) volt transmission line in or immediately adjacent to the existing Moose Lake Plant of The Seine River Improvement Company, Limited;

AND WHEREAS the said Steep Rock Power Agreement provides that the Company shall pay for power delivered thereunder according to a horsepower rate and a kilowatt-hour rate specified in Clause 5 (c) thereof;

AND WHEREAS by an Indenture also dated the 10th of April, 1942, the parties hereto entered into an agreement which is designated "the Supplementary Agreement", whereby amongst other things it is agreed that the Company shall pay all power bills properly rendered to it by the Commission for all the electrical power and energy supplied by the Commission to The Ontario-Minnesota Pulp and Paper Company, Limited, under a certain Indenture dated the 10th day of April, 1942, made between the Commission, The Ontario-Minnesota Pulp and Paper Company, Limited and The Seine River Improvement Company, Limited, which is called "Replacement Power" in the said latter agreement;

AND WHEREAS it is also agreed in the Supplementary Agreement that the Commission shall construct for the Company a certain transmission line, provide a right of way therefor from the Commission's Port Arthur Transformer Station to the Moose Lake plant of The Seine River Improvement Company, Limited, and install certain terminal equipment, all at the expense of the Company, and with ownership to be vested in the Company; and it is further provided in the said agreement that the said transmission line and equipment shall be operated and maintained by the Commission or its nominee, and the Company shall reimburse the Commission therefor;

AND WHEREAS the said Supplementary Agreement provides that the Company shall pay the Commission for Replacement Power supplied by the Commission to The Ontario-Minnesota Pulp and Paper Company, Limited at a horsepower rate specified in Clause 1 thereof;

AND WHEREAS the said Supplementary Agreement provides that the Company shall furnish and deposit with the Commission certain security;

AND WHEREAS the Commission and the Company are desirous of changing the terms of the said Steep Rock Power Agreement, and of the said Supplementary Agreement, relating to the above recited matters, and amending the said agreements accordingly;

AND WHEREAS the said Steep Rock Power Agreement, and the said Supplementary Agreement were confirmed, validated and made binding upon the parties by an Act of the Legislature of the Province of Ontario, being The Steep Rock Iron Ore Development Act, 1942;

NOW THEREFORE THIS INDENTURE WITNESSETH that in consideration of the premises and other considerations herein appearing, the Parties agree each with the other, subject to ratification by legislation as hereinafter specified, as follows:—

1. Subclause 2 (a) of the Steep Rock Power Agreement is struck out and the following substituted therefor,—

2. THE COMMISSION AGREES:

(a) To deliver power at the point of delivery herein defined as the terminus of the Commission's one hundred and ten thousand (110,000) volt transmission line in or immediately adjacent to the existing Moose Lake plant of The Ontario-Minnesota Pulp and Paper Company, Limited;

2. Subclause 5 (c) of the Steep Rock Power Agreement is struck out and the following substituted therefor,—

5. (c) To pay to the Commission in monthly payments according to the following schedule of horsepower rates, namely:

For Development Power, Thirty Dollars (\$30.00) per horsepower per annum;

For all Operation Power for the period of two years from the Commencement Date, Thirty Dollars (\$30.00) per horsepower per annum;

For Operation Power thereafter up to and including two thousand five hundred horsepower (2,500 H.P.), Thirty Dollars (\$30.00) per horsepower per annum;

For all Operation Power thereafter in excess of two thousand five hundred horsepower (2,500 H.P.), Nineteen Dollars (\$19.00) per horsepower per annum;

All based on the maximum ten (10) minute integrated demand and eighty-five percent (85%) minimum power factor provided in this agreement, being the horsepower demand for the month as defined in subclause 7 (b) at a maximum monthly load factor of eight-five percent (85%);

In addition to payment at the said horsepower rates to pay to the Commission in monthly payments at the rate of three decimal five (3.5) mills which is seven-twentieths (7/20th) of a cent per kilowatt-hour for all energy taken in excess of the energy equivalent to the amount of power for which the customer is paying at a monthly load factor of eight-five percent (85%);

3. Subclause 7 (c) of the Steep Rock Power Agreement is struck out and the following substituted therefor,—

7. (c) The point of measurement of the power covered by this agreement shall be at the terminus of the Commission's one hundred and ten thousand (110,000) volt transmission line in or immediately adjacent to the existing Moose Lake plant of The Ontario-Minnesota Pulp and Paper Company, Limited;

4. Subclause 7 (d) of the Steep Rock Power Agreement is struck out and the following substituted therefor,—

7. (d) Whenever the said measuring equipment is connected at other than the point of delivery the readings shall be subject to correction and shall be corrected to give results such as would be obtained by instruments connected at the point of delivery; such corrections shall be based upon tests or calculations by the Commission;

5. The fifth and sixth recitals of the Supplementary Agreement are struck out;

6. The seventh recital of the Supplementary Agreement is struck out and the following substituted therefor,—

AND WHEREAS the Company has agreed to pay to the Commission from time to time and at all times during the continuance of these presents all power bills properly rendered to it by the Commission for replacement power under the said Replacement Power Agreement at the rate of Thirty Dollars (\$30.00) per horsepower per annum up to and including Ten Thousand Five Hundred Horsepower (10,500 H.P.) and for all replacement power in excess of Ten Thousand Five Hundred Horsepower (10,500 H.P.) at the rate of Nineteen Dollars (\$19.00) per horsepower per annum;

7. Clause 1 of the Supplementary Agreement is struck out and the following substituted therefor,—

1. THE COMPANY AGREES:

That it will from time to time and at times during the continuance of these presents whenever bills are properly rendered to it by the Commission and within twenty (20) days from the receipt thereof, pay to the Commission for replacement power supplied to The Ontario-Minnesota Pulp and Paper Company, Limited under the Replacement Power Agreement at the rate of Thirty Dollars (\$30.00) per horsepower per annum up to and including Ten Thousand Five Hundred Horsepower (10,500 H.P.), and for all replacement power in excess of Ten Thousand Five Hundred Horsepower (10,500 H.P.) at the rate of \$19.00 per horsepower per annum, the amount of replacement power so supplied being

calculated according to the provisions of the said Replacement Power Agreement, and also all monies and costs which the Commission shall have been required to pay or incur under Clauses 25, 27 and 30 of the said Replacement Power Agreement;

8. Clause 2 of the Supplementary Agreement is amended by adding as an additional paragraph thereto the following,—

The Company will reimburse the Commission for any and all law costs to which it may be rendered liable by reason of any matter or thing arising from these presents, the said power agreement with the Company, any agreement relating to Replacement Power, and also in respect of all cost and expense which it may incur in respect of restoring the normal waterflow in the said Seine River through Steep Rock Lake;

9. Clause 3 of the Supplementary Agreement is struck out and the following substituted therefor,—

It is agreed that the Commission shall construct, operate and maintain at its own expense a suitable transmission line and provide a right of way therefor from the Commission's Port Arthur Transformer Station to the said Moose Lake plant in order to facilitate the transmission of power from its said transformer station to the Company's mining properties at Steep Rock and the delivery of power under the said Replacement Power Agreement; The ownership of the said transmission line and right of way shall vest in the Commission;

10. Clause 4 of the Supplementary Agreement is struck out and the following substituted therefor,—

It is agreed that the Commission will purchase and install at its own expense all terminal equipment such as relays, switching, lightning protection and synchronous condensers necessary or convenient to enable power to be delivered to the Company and under the Replacement Power Agreement to The Ontario-Minnesota Pulp and Paper Company, Limited, and to enable the power plants formerly belonging to The Seine River Improvement Company, Limited and now owned by The Ontario-Minnesota Pulp and Paper Company, Limited at Fort Frances, Calm Lake and Sturgeon Falls to be operated in parallel with the Commission's system and equipment to enable The Ontario-Minnesota Pulp and Paper Company, Limited to receive and control power under the Replacement Power Agreement without interfering with the power operations of The Ontario-Minnesota Pulp and Paper Company, Limited;

Ownership of the said equipment referred to in the immediately preceding paragraph shall vest in the Commission;

It is agreed that if necessary to use the electric generators at present installed in the said Moose Lake plant as synchronous condensers, the Commission will pay the total cost, expense and rentals involved therein;

11. Clause 5 of the Supplementary Agreement is struck out;

12. Clause 7 of the Supplementary Agreement is struck out;

13. Clause 8 of the Supplementary Agreement is struck out;

14. All the other terms and conditions of the Steep Rock Agreement and the Supplementary Agreement shall continue in full force and effect;

15. This Amending Agreement shall not become binding upon the Parties unless and until an Act of the Legislature of the Province of Ontario shall be passed at the next session of the said Legislature confirming and validating it, and is given Royal Assent, and brought into force, whereupon this Amending Agreement shall become binding, and the Steep Rock Agreement and the Supplementary Agreement continue in force as amended hereby;

IN WITNESS WHEREOF the Company and the Commission have caused this agreement to be executed, attested by the affixing of their corporate seals and by the signatures of their proper officers duly authorized thereto.

RECOMMENDED

Feb. 8, 1943,
Cecil Carrick,
Legal Dept.

APPROVED

8 Feby., 1943,
W. George Hanna,
Solicitor.
Feb. 8, 1943,
R. T. Jeffery,
Chief Mun. Eng.

STEEP ROCK IRON MINES, LIMITED

D. M. HOGARTH,
President. [Seal]
G. G. BLACKSTOCK,
Secretary.

THE HYDRO-ELECTRIC POWER
COMMISSION OF ONTARIO

T. H. HOGG,
Chairman. [Seal]
OSBORNE MITCHELL,
Secretary.

APPENDIX II

Report by The Hydro-Electric Power Commission of Ontario Relating to Differences in the Cost of Power Supplied Municipalities and Rural Power Districts in Ontario

To His Honour

The Honourable Albert Matthews, LL.D.

Lieutenant-Governor of Ontario

At the 1943 Session of the Legislative Assembly of the Province of Ontario the following motion was passed:

“That in the opinion of this House, The Hydro-Electric Power Commission of Ontario be required to,—

- (a) Examine the causes of differences in the cost of power supplied municipalities and rural power districts in Ontario;
- (b) Consider, in conjunction with partner municipalities concerned, ways and means of eliminating or reducing such differences.
- (c) Consider the advantages and disadvantages of service charges in connection with rural billing and the advisability of changes in this practice.

And that The Hydro-Electric Power Commission of Ontario be required to report to the Lieutenant-Governor in Council the result of their examination and consideration of such matters, said report to be tabled in this House within 15 days after the opening of the next ensuing Session and copies to be furnished to all Members of the Legislative Assembly as soon as the report is available.”

The Hydro-Electric Power Commission of Ontario reports as follows:

*(a) Examine the causes of differences in
the cost of power supplied municipalities
and rural power districts in Ontario;*

Differences in the cost of power supplied municipalities—by which is understood the cost per horsepower for the wholesale supplies of power provided for and delivered to the municipalities by the Commission—result from the fact that in accordance with Section 61 of The Power Commission Act, “the price payable for power or energy by any municipal corporation shall be the cost to the Commission” of supplying and delivering such power.

The Commission therefore, **under contract** supplies power to each municipality **at cost**. This is the basis on which Hydro was founded in the Province of Ontario, and on which it has been operated up to the present time.

Originally a group of municipalities entered into a partnership with each other to purchase and/or generate power to supply their requirements, each to pay the same rate per horsepower at the point of supply and to share, on an equitable proportional basis, the costs of transforming and transmitting facilities constructed to deliver this power. As other municipalities came into partnership the groups or systems were enlarged but the same basis governed and is clearly set out in the agreements which each municipal partner executes. It has never been changed. In each case a municipality by vote receives the approval of the municipal electors before entering into partnership, and signing a contract.

In each system the costs of power generated or purchased are pooled, together with the costs appertaining to interconnecting lines and equipment, and the resulting base generating cost per horsepower within the system is the same to all. The transmission cost of power supplied to any municipality under its agreement is dependent upon the distance from source of supply, the quantity of power to be delivered, and the extent to which transmission line facilities are shared by other nearby municipal or rural loads.

Thus the differences in the cost per horsepower supplied municipalities are due to the fact that each municipality pays its proper share of the actual cost to the Commission of delivering its quota of wholesale power from the common generating source to the municipal receiving point.

The causes of differences in the cost of wholesale power supplied to rural power districts in Ontario up to December 31, 1943 were due also to the above mentioned factors and were governed by Section 61 of The Power Commission Act as made applicable by Section 77.

(b) Consider, in conjunction with partner municipalities concerned, ways and means of eliminating or reducing such differences.

So long as the basic conception of **service at cost** continues to govern the Commission's operations, differences in the cost of wholesale power as between partner municipalities cannot be entirely eliminated.

There are, however, natural trends which from year to year reduce the differences in the wholesale cost of power. The position has now been reached where the Commission believes that these differences in cost can be further reduced and it has consulted with the partner municipalities, and has recommended for their approval two suggestions as follows:

1. Amalgamation of Southern Ontario Systems

The Commission has recommended to the municipalities receiving power at cost that it amalgamate the Niagara system, the Georgian Bay system and the Eastern Ontario system into one system to be known as the Southern Ontario system, under Section 65 of The Power Commission Act. It is believed that the integration of the financial and administrative features of these three systems is the logical outcome of the physical interconnection and increased power exchange facilities that have been provided in southern Ontario during recent years.

The amalgamation of these three systems will not only give more dependable service resulting from interconnected systems covering larger areas, but will reduce the total reserve capacity needed and also reduce differences in wholesale costs of power.

2. Assistance to Small Municipalities with Higher Wholesale Unit Costs

For some time the Commission has had under consideration the possibility of giving some assistance to certain small municipalities whose cost of power, due to various circumstances, has been relatively high. Assistance may be given in the following ways:

First, the proposed amalgamation will itself provide some assistance. **Second**, providing the wholesale cost is not too high, some assistance will be provided by the natural growth in consumption. **Third**, the great growth in rural power use has and will result in increases in the amount of power transmitted over the transmission lines supplying the outlying small urban centres, with the result that the transmission costs will be more fully shared by the rural areas and the cost per horsepower to the small municipalities will be progressively reduced.

Finally, the Commission believes that further assistance can be given, and has recommended to the cost contract municipalities that they be charged a small amount in the cost of power and that the sum so secured be applied so as to bring the maximum cost per horsepower in these exceptional cases more in line with the cost obtaining in the majority of smaller municipalities.

The problem is not a serious one as the aggregate horsepower supplied to these small municipalities is not large. For example, with the 1942 revenues and the amounts of power utilized, it would have been possible to set a maximum cost of \$39 per horsepower by levying the small charge of 4½ cents per horsepower supplied to all municipalities. Of course, since the unit cost per horsepower of power supplied by the Commission is greatly affected by the amount of power supplied, a somewhat higher maximum than \$39 might have to be used in subsequent years if the total load decreased.

(c) Consider the advantages and disadvantages of service charges in connection with rural billing and the advisability of changes in this practice.

When the rural power district scheme was adopted in 1920, it was decided to supply electrical service to rural consumers at rates consisting of:

1. A service charge intended to cover the fixed charges on the capital invested to supply the service;
2. Plus a meter charge to cover the cost of power and the cost of operation.

This form of rate structure received wide acceptance by power supply authorities the world over. Under this rate structure the service charge was definitely made a part of the cost of service. This service charge, however, was never popular with the customers because they felt they were paying for something for which they received nothing tangible that could be put to use. Possibly the term "service charge" was not well chosen.

In 1921 the Ontario government, in pursuance of its well established policy of assisting agriculture, decided to pay 50 per cent of the cost of primary lines to serve rural consumers and in 1924 extended this grant-in-aid to include all rural secondary construction. This relieved the Commission from paying interest and sinking fund on 50 per cent of all rural distribution capital and enabled the Commission to reduce the service charge for a standard farm from \$6.20 to \$4.10 per month. Later, in 1930, the maximum rural service charge for a standard farm was further reduced to \$2.50 per month, the Province undertaking to pay any losses that might result.

Again, in 1935, the service charge was cut to \$2.00 per month for a standard farm and in December 1936 was reduced to \$1.00 per month.

These several reductions in service charge, without corresponding adjustments in meter rates in the various rural power districts, placed the entire rural rate structure throughout the Province on a basis that was inequitable as between districts, and resulted in many districts having insufficient revenue to meet the cost to the Commission of the service provided.

On January 1, this year, the Commission, after consultation with and consent of the Government, put into operation a comprehensive revision of its rural service. It amalgamated into one provincial rural power district all the areas formerly served by 120 rural power districts, with a pooling of all revenues and expenses. It has adopted a uniform rate structure with a common rate applying to each class of service and has simplified and revised its classification of consumers.

In the revised rate structure the service charge has been eliminated entirely from the farm rate and to hamlet consumers has been reduced by approximately 50 per cent.

It should be noted that this rural amalgamation and unification of rates to consumers is possible only because of the provincial financial assistance. It does not directly affect the wholesale cost to the Commission of delivering power to the various rural power districts (which still varies in different parts of the province) but its whole effect is reflected in the retail price to the consumer. The new set-up is a means of proportioning the benefits from provincial grants where they are most needed, namely, to the farmer in sparsely settled or less fertile farming districts where, because of these conditions, electrical service is necessarily more costly to provide.

The new rural rate structure will reduce the retail cost of service to 97 per cent of the rural consumers, with quite substantial reductions to consumers in the more remote districts. It should result in a large increase in the total number of rural consumers and in the average monthly consumption, and eventually to higher net revenues leading to further consumer benefits.

There are attached hereto an appendix and a chart which are submitted to show that the elimination of differences in wholesale power costs will not necessarily eliminate differences in retail costs.

Respectfully submitted,
OSBORNE MITCHELL,
Secretary

Toronto, March 6, 1944.

APPENDIX

In considering the foregoing Report it is important to note that clauses (a) and (b) relate to differences in wholesale costs and clause (c) to retail bills for service rendered to consumers. The distinction is important, because many have assumed that the adoption of uniform wholesale costs would bring about uniform rates to consumers. This is not so.

In rural Ontario, notwithstanding differences in the wholesale cost of power as supplied to various rural power districts, uniform rates to consumers have now been secured because of two circumstances: First, the whole rural distribution service is operated as a unit centralized in the administration of The Hydro-Electric Power Commission, with a pooling of all costs and revenues in the several former districts; and second, because government assistance is given by grants-in-aid of capital costs of distribution facilities, and by guarantees against losses resulting from service being given below cost in more recently served or less favourable farming areas. The government assistance now goes where most needed, namely, to assist in establishing new rural line extensions and to help less favoured districts.

In the urban municipalities no government subsidy is given or desired, and although the policy of **service at cost** necessarily results in certain differences in wholesale costs, these are not serious, either in magnitude or in their effect on retail rates to consumers except, perhaps, in the case of a very few of the smaller municipalities dealt with under clause (b) of the Report.

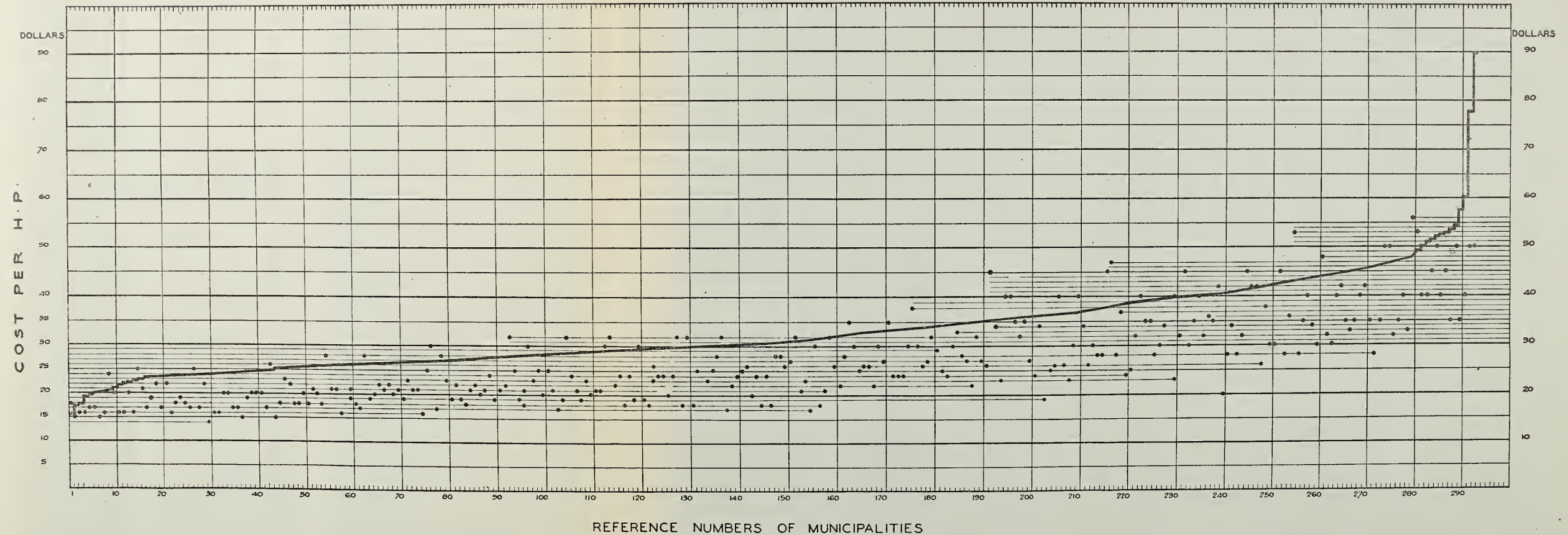
The retail rates to consumers are not governed to a major degree by the difference in wholesale costs but by other factors more closely related to local distribution conditions, character of industrial loads, etc. Many small towns paying a somewhat higher wholesale cost are selling power to industry at rates equal to and below those in larger towns.

Attached is a chart in which the heavy line shows the wholesale cost of power to the 293 urban municipalities served by the Commission in 1942, arranged in order of the cost per horsepower. The black dots show the base power rate at which municipalities sell power to industry. For instance, number 240 is Orangeville which, referring to the heavy line, pays between \$40 and \$41 per horsepower, wholesale cost to the Commission, but sells power to industry at a retail base of \$20 per horsepower.

If uniform rates for service to urban consumers are desired throughout Ontario, they can only be given by a central organization becoming completely responsible for all retail distribution of service to consumers, and by doing away with local administration except as branch offices of the central body. It is not believed the partner municipalities, whose local Hydro utility commissions have done so much to foster and make successful the whole Hydro enterprise, would wish this.

The heavy curve on this chart shows the wholesale cost of power to the 293 municipalities which are arranged in the order of the cost per horsepower paid to The Hydro-Electric Power Commission in 1942. The black dots show the base power rate at which the municipalities retail power to industry.

This chart shows that at the present time there are very few municipalities with a cost per horsepower of \$40 or more. It also shows that the wholesale cost to the municipality is not indicative of the price at which the municipality retails power to industry.



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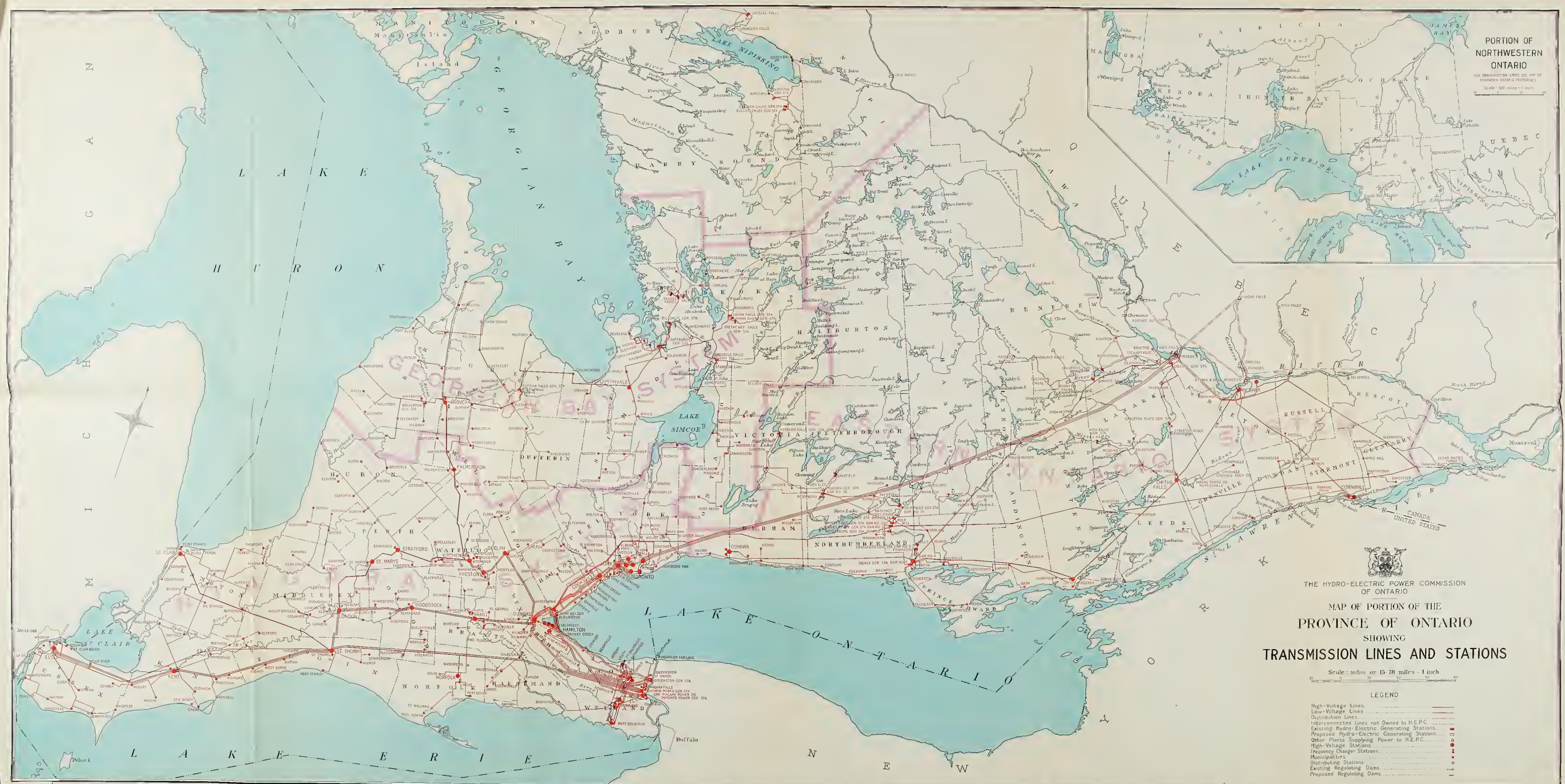
MAP OF PORTION OF THE
PROVINCE OF ONTARIO
SHOWING
TRANSMISSION LINES AND STATIONS
IN DISTRICTS OF THE
NORTHERN ONTARIO PROPERTIES
AND IN THE
THUNDER BAY SYSTEM

Scale: 25 Miles = 1 inch

- LEGEND
- High-Voltage Lines
 - Low-Voltage Lines
 - Distribution Lines
 - Existing Hydro-Electric Generating Stations
 - Proposed Hydro-Electric Generating Stations
 - Other Plants Supplying Power to H.E.C.
 - High-Voltage Stations
 - Frequency Changer Stations
 - Interconnecting Stations
 - Existing Regulating Dams
 - Proposed Regulating Dams
 - Interconnected Lines not Owned by H.E.C.
 - Lines not interconnected with H.E.C.

Longitude West from Greenwich

PORTION OF
NORTHWESTERN
ONTARIO
FOR TRANSMISSION LINES SEE MAP OF
NORTHWESTERN ONTARIO PROPERTIES
Scale 100 miles = 1 inch



THE HYDRO-ELECTRIC POWER COMMISSION
OF ONTARIO

MAP OF PORTION OF THE
PROVINCE OF ONTARIO
SHOWING
TRANSMISSION LINES AND STATIONS

Scale: 100 miles or 15.78 miles = 1 inch

LEGEND

- High-Voltage Lines.....
- Low-Voltage Lines.....
- Distribution Lines.....
- Interconnected Lines not Owned by H.E.P.C.....
- Existing Hydro-Electric Generating Stations.....
- Proposed Hydro-Electric Generating Stations.....
- Other Plants Supplying Power to H.E.P.C.....
- High-Voltage Stations.....
- Frequency Changer Stations.....
- Municipalities.....
- Distributing Stations.....
- Existing Regulating Dams.....
- Proposed Regulating Dams.....

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